

SWPPP

STORM WATER POLLUTION PREVENTION PLAN

WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS



SWPPP

STORM WATER POLLUTION PREVENTION PLAN

***NPDES Permit Discharge
Authorization Number:
28471-28214***

IMPORTANT NOTICE

This Storm Water Pollution Prevention Plan (SWPPP) shall be retained on the construction site from the date the construction activities begin to the date of final stabilization. In addition, all contractors shall be supplied with a copy of the SWPPP and shall certify their role as co-permittee by signing the appropriate form in Appendix C.

It shall be the duty of the OWNER to see that these requirements are met and that the SWPPP is maintained and up to date.



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PROJECT CONTACTS

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SWPPP PREPARED BY

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STATE GOVERNMENT

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Des Moines, IA 50319-0034
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Emergency Response to Chemical Spills: 515-281-8694

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STORM WATER POLLUTION PREVENTION PLAN

PART 1

SITE DESCRIPTION/SITE MAP



GENERAL INFORMATION

Project Location

The project is located in Waukee, IA along at the intersection of Westown Parkway and R22.

Legal Description

Quarter section SW, section 5, township 78N, range 26W, Dallas County, Iowa.

Site Description

The project consists of road construction at the intersection of Westown Parkway and R22. Soil disturbing activities will include installation of perimeter silt barriers, clearing/grubbing, utility excavation/installation/backfill, grading, paving, and seeding activities.

Site Information

Estimated runoff coefficient is 0.20 - 0.95.

Receiving waters are Sugar Creek.

There are no surface waters on the construction site. ??

Estimated site area is 5 acres.

Estimated disturbed area is 5 acres.



Proposed Silt Fence
approx 6800 LF

Proposed Topsoil
Stackpile

Proposed placement of 9" waffles - approx. 3600 LF

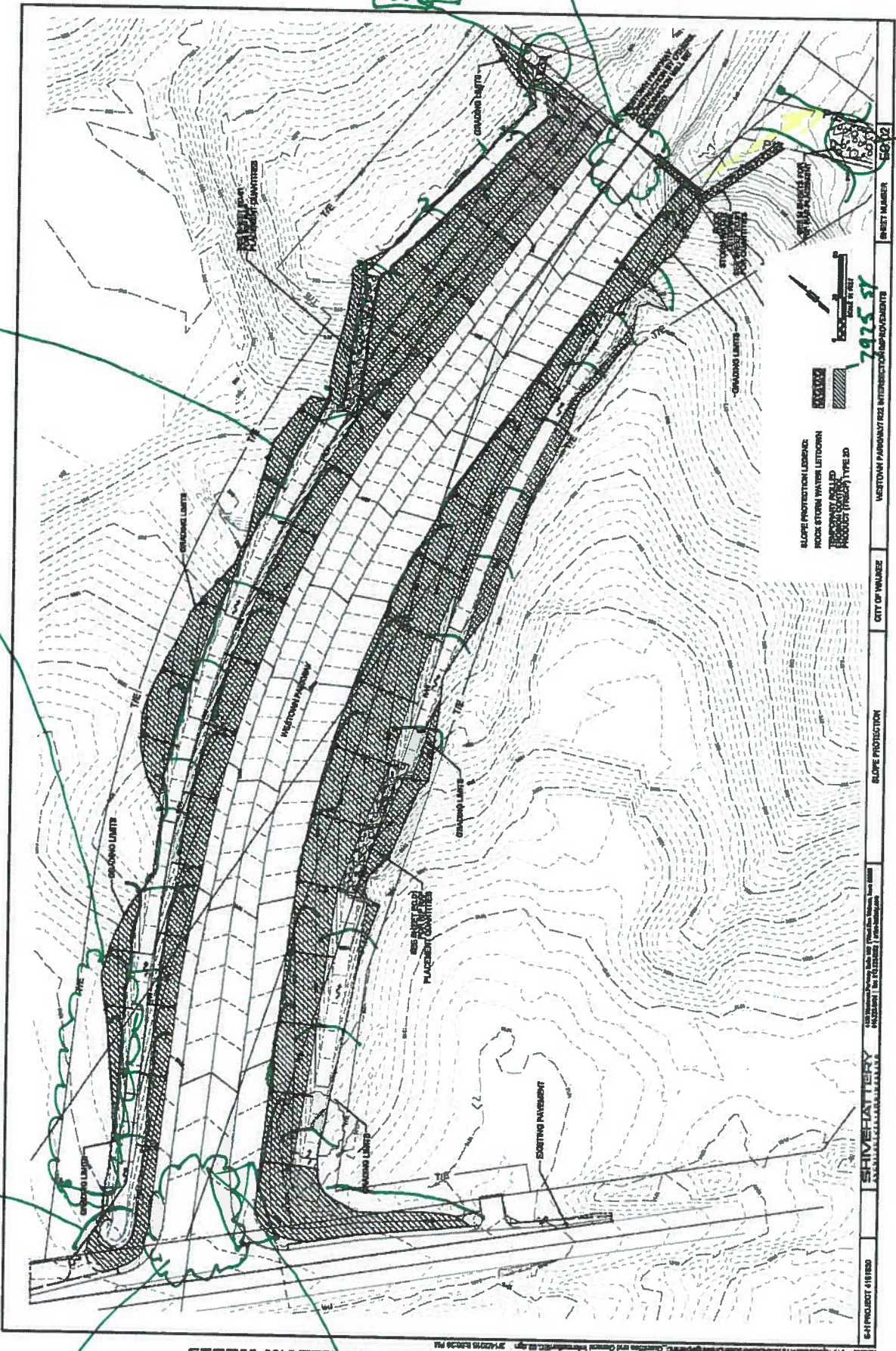
Proposed Const. Entrance

Ultimate discharge location

114 sg TRM type 4
to be installed in
attach. Lull

11 drop in inlet protection devices
to be installed one inlet are

approx 50 rock check
sums to be installed in ditches



STORM WATER POLLUTION PREVENTION PLAN
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Site Map

Proposed Const. Entrance

Proposed sanitary waste / concrete washout / equip. storage

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PART 2

CONTROLS



POTENTIAL SOURCES OF POLLUTION

Potential sources of sediment to storm water runoff: clearing and grubbing, grading, excavating, destabilized areas, material delivery and storage, landscaping operations, and other land disturbing operations.

DESCRIPTION OF PROPOSED MEASURES TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES DURING CONSTRUCTION

Pollutants in storm water discharge during construction shall be controlled by managing erosion and sedimentation on the construction site. The contractor shall be required to control erosion and sedimentation on the construction site using best management practices, hereinafter BMP, including structural and vegetative control measures including but not limited to: sediment traps and basins, storm sewer inlet protection, silt fences and barriers, waddles, filter socks, temporary diversion channels, mulching temporary vegetative cover such as temporary grasses and legumes. See the detailed construction plans included in the Storm Water Pollution Prevention Plan for the specific BMP's which are recommended for this site. The area of bare soil exposed at any one time by construction operations shall be held to a minimum.

Soil erosion shall be minimized by implementing all the erosion control measures outlined on the grading plan. Contractor shall be responsible for monitoring and maintaining the erosion control devices. Contractor shall install additional or alternate erosion control devices if it becomes apparent the erosion control outlined on the plan is inefficient or ineffective. Erosion control devices and temporary seeding shall be implemented as soon as possible and practical during the construction sequence. Any debris spilled on to adjacent property and right-of-way as a result of this construction activity shall be cleaned up daily.

Install upstream diversions, downslope and sideslope perimeter controls before commencing land disturbing activities. Do not disturb an area until it is necessary for construction to proceed. Cover or stabilize disturbed areas as soon as possible. Time construction activities to limit impact on seasonal weather changes. If infiltration methods are used, install them after up stream is stabilized.

In general, the site will undergo the following major construction activities, listed in sequence:

- Buried utility locates
- Layout limits of construction
- Installation of perimeter silt barriers
- Clearing & grubbing
- Rough Grading
- Utility excavation, installation, and backfill
- Pavement subgrade preparation
- Paving
- Permanent seeding

MEASURES FOR EACH ACTIVITY

Site Layout

Contractor shall take any and all appropriate measures to identify, locate, and flag existing buried utilities on the project site. All areas of the site which are to remain undisturbed shall be identified in a manner which will prevent encroachment.

Construction access shall be limited by the general contractor. All construction vehicles exiting the site shall be limited to this location. A stabilized area will be maintained at the entrance to prevent tracking sediment onto public ROW or adjoining properties. All construction vehicles exiting the site shall be limited to designated locations.

In areas that slope away from future construction, towards the perimeter of the site, temporary silt barriers shall be placed.

Clearing and Grubbing

Commence with clearing and grubbing only after the perimeter of the site and existing storm water discharge points and storm sewer inlets are protected with silt barriers. In areas that slope away from future construction, or in which significant erosion may occur, temporary silt fences shall be placed. The anticipated locations are shown on the initial pollution prevention plan. These perimeter controls shall be installed after the clearing and stripping necessary for the installation of the measure, but before the clearing and stripping of other portions of the site. Perimeter measures shall be maintained until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls shall be removed after final stabilization.

Preservation of existing areas of vegetation that will not be disturbed by construction will be clearly marked, to prevent damage both on and off site. Phase clearing and grubbing whenever the project schedule allows.

Install silt barriers on the perimeter of stock pile areas in advance of placement.

Grading

Silt barriers installed during clearing and grubbing activities shall remain and be maintained. As areas outside of the paving or building areas reach their final grade, temporary and/or permanent seeding shall be done as soon as practical.

If construction activity is not planned for at least 21 days, the area shall be stabilized by temporary erosion control measures within 14 days of ceasing operations. Temporary control measures may include applying mulch and tacking it in.

Stockpile areas of excavated material shall be protected from erosion by temporary covering, seeding, and/or perimeter silt barriers. Stockpiles shall have a maximum 3:1 slope in order to minimize runoff. Seeding shall follow the SUDAS for mixture and dates of application.

Utility Excavation

Utility excavation operations will include areas that may or may not have been previously graded. All areas that are disturbed as part of utility construction shall be seeded as soon as practical with temporary and/or permanent vegetative cover. Other temporary erosion controls that may have been removed for excavation activities shall be replaced as soon as possible.

After the construction of drainage intakes, drain inlet protection consisting of silt barriers and temporary standpipes shall be placed as soon as possible.

Paving

After the paving of curb and gutters has been completed and backfill placed behind the curb, final grading and temporary and/or permanent seeding shall be done as soon as practical. Silt barriers shall be placed at intake locations until stabilization occurs. Paved gutters shall be swept as needed to remove sediment before it reaches the storm sewer system.

Final Grading

As graded areas reach their final grade and after the paving is backfilled, topsoil shall be returned before final stabilization. Topsoil shall be preserved unless infeasible.

After replacement of topsoil, permanent seeding or sodding shall be done as soon as practical, for final stabilization. Silt barriers and other controls shall be maintained as placed to minimize sediment flow off of the site. If construction activity is not planned for at least 21 days, the area shall be stabilized by temporary erosion control measures within 14 days of ceasing operations. Temporary control measures may include applying mulch and tacking it in.

Maintain all erosion controls in place during the final grading operations. Add additional erosion control devices as needed to stabilize areas which have been finish graded. Stockpile areas of excavated material shall be protected from erosion by temporary covering, seeding, and/or perimeter silt fence.

Landscaping

Seeding shall follow the SUDAS for mixture and dates of application. Permanent seeding or sodding shall be done as soon as practical, for final stabilization.

Landscaping contractor shall seed or sod immediately after the seed bed is prepared. As seeding or sod is being watered, additional areas needing silt barriers may be identified. Add silt barriers as necessary. Other temporary erosion controls that may have been removed for seeding activities shall be replaced as soon as possible.

Landscaping shall include all earth areas not already seeded, sodded, or otherwise protected from erosion. Silt barriers and all other controls shall be maintained as placed to minimize sediment flow off of the site during the landscaping phase and until final stabilization has been achieved. Final stabilization means all soil disturbing activities are complete and a uniform perennial vegetative cover has been established with a minimum density of 70% of the area, or an equivalent stabilization measure.

Other Controls

Measures for controlling other sources of potential pollution that may exist on the construction site. During the course of construction, it is possible that situations may arise where unknown materials will be encountered. When such situations occur, they will be handled according to all applicable federal, state, and local regulations in effect at the time.

DESCRIPTION OF PROPOSED MEASURES TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES AFTER CONSTRUCTION HAS BEEN COMPLETED

(Including applicable state and local erosion & sediment control requirements)

1. Erosion and sedimentation shall be controlled by establishing vegetation on all areas not paved, mulched or otherwise protected.
2. Outlet protection of storm sewers using erosion stone and engineering fabric.
3. Storm sewer, curb and gutter to divert storm water.

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PART 3

MAINTENANCE



The owner or owner's designee shall be responsible for maintaining the sediment control devices. Additional or alternate sediment control devices shall be installed if it becomes apparent the erosion control outlined on the plan is inefficient or ineffective.

The owner or owner's designee shall be responsible for a site inspection of the construction site at least once every seven calendar days. Control measures requiring maintenance shall be noted in the inspection report. Contractor shall make repairs and adjustments to controls within 24 hours or as soon as site conditions allow.

The following points shall be considered when conducting maintenance:

1. Remove sediment from silt basins, silt fences, etc. as appropriate and dispose of sediment into controlled areas to prevent silt from returning to the control devices during subsequent rain events. Built up sediment shall be removed from silt fences when it reaches 1/2 the height of the barrier, and from sediment ponds when it reaches 50% of design capacity.
2. Remove sediment from paved roadways daily and from around devices protecting storm drain inlets.
3. Check that contractor work areas and material storage areas are cleaned and maintained.
4. Replace devices, such as slit fences, that no longer operate effectively.
5. Maintain all equipment in good condition to minimize the likelihood of a fuel or oil spill.
6. All solvents, glues, sealers, cements, and similar materials shall be used in accordance with the manufacturer's recommendation.
7. Temporary seeding cover which has been damaged or otherwise deteriorated shall be re-seeded or rejuvenated by other means.

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STORM WATER POLLUTION PREVENTION PLAN

PART 4

INSPECTION



Qualified personnel provided by the permittee shall inspect disturbed areas of the construction site that have not been finally stabilized at least once every seven calendar days.

- A. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or potential for, pollutants entering the drainage system. Erosion and sediment control measures shall be observed to ensure that they are operating correctly and are being maintained. Where discharge locations are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite tracking.
- B. Based upon the inspection, the permittee (owner) or designee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, or if the plan proves ineffective in achieving the objectives of controlling pollutants in storm water discharge. The plan shall also be updated to include all contractors identified as co-permittees, identify any change in ownership or transference of permit responsibilities, or, if required by the occurrence of a hazardous condition. The description of potential pollutant sources and pollution prevention measures identified in the plan shall be revised as appropriate. Modifications to the plan shall be implemented within seven calendar days following the inspection.
- C. An inspection report shall be recorded in writing and filed with the prevention plan. The report shall contain a summary of the inspection including: names and qualifications of personnel making the inspection, date of inspection, weather information, location of sediment/pollutant discharges, observation of implementation of the SWPPP and best management practices (BMPs), BMPs needing repair, additional BMPs needed, and actions taken in accordance with changes made to the SWPPP as outlined above. The report shall be signed with the standard certification for a qualified person.
- D. Any required maintenance identified in the inspection report shall be implemented within seven calendar days of receipt of the inspection report.

The reports shall be retained as part of the SWPPP for at least three years after final stabilization has been achieved and a Notice of Discontinuance has been submitted to the Iowa Department of Natural Resources.

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STORM WATER POLLUTION PREVENTION PLAN

PART 5

NON-STORM WATER DISCHARGES



Potential pollutants and sources, other than sediment, to storm water runoff: concrete washout and waste, structure construction/painting/cleaning, material used during construction, solid waste (trash and debris), hazardous waste, contaminated spills, sanitary/septic waste, vehicle/equipment fueling and maintenance, vehicle/equipment use and storage.

Contractor shall familiarize him or herself with all identifiable sources of pollution and take proper and reasonable precautions to minimize any potentially hazardous situations. Sources of pollution may include, fuel spills, oil spills, solvent spills, paint spills, trash disposal, waste disposal, and excessive erosion.

Discharges from firefighting activities; fire hydrant flushing; water used to wash vehicles; potable water sources including waterline flushing, irrigation drainage, routine external building wash-down which does not use detergents, pavement wash-water where spills or leaks of toxic or hazardous materials have not occurred (unless all soiled material has been removed) and detergents have not been used, air conditioning condensate, springs, foundation or footing drains where flows are not contaminated with process materials such as solvents, may be authorized by NPDES permit as long as appropriate pollution prevention measures are in place.

Concrete wash-out area and control device shall be utilized during construction.

***DESCRIPTION OF PROPOSED MEASURES TO CONTROL POLLUTANTS IN
STORM WATER DISCHARGES DURING CONSTRUCTION***

(Including applicable state and local erosion and sediment control requirements):

1. Waste Disposal (Good Housekeeping/Materials Management)

Building materials and other construction site wastes must be properly managed and disposed of to reduce the risk of pollution from materials such as surplus or refuse building materials or hazardous wastes. Practices such as trash disposal, recycling, proper material handling, and spill prevention and cleanup measures shall be utilized to reduce the potential for storm water runoff to mobilize construction site wastes and contaminate surface or ground water. No building wastes shall be buried, dumped, or discharged at the site.

Site Considerations:

a. Solid Wastes:

1. Designate a waste collection area on the site that does not receive a substantial amount of runoff from upland areas and does not drain directly to a water body.
2. Ensure that containers have lids so they can be covered before periods of rain, and keep containers in a covered area whenever possible
3. Schedule waste collection to prevent the containers from overfilling.
4. Clean up spills immediately. For hazardous materials, follow cleanup instructions on the package. Use an absorbent material such as sawdust or kitty litter to contain the spill.

Minor spills shall be cleaned up by collecting the contaminated soil and removing it from the site

and disposing of it properly.

Major spills will require the owner and operator to comply with spill notification requirements as specified in 455B/.386 of the Iowa Code. The law requires that as soon as possible the Iowa DNR and the local sheriff's office be notified of any "hazardous condition". Clean up procedures will depend on the severity of the spill.

During the demolition phase of construction, provide extra containers and schedule more frequent pickups. Collect, remove, and dispose of all construction site wastes at authorized disposal areas. Contact a local environmental agency to identify these disposal sites.

b. Sanitary Wastes:

All sanitary waste shall be collected from portable units on a regular basis, as required by local regulation.

c. Hazardous Materials and Wastes:

1. Consult with local waste management authorities about the requirements for disposing of hazardous materials.
2. To prevent leaks, empty and clean hazardous waste containers before disposing of them.
3. Never remove the original product label from the container because it contains important safety information. Follow the manufacturer's recommended method of disposal, which should be printed on the label.
4. Never mix excess products when disposing of them, unless specifically recommended by the manufacturer.

To ensure the proper disposal of contaminated soils have been exposed to and still contain hazardous substances, consult with state or local solid waste regulatory agencies or private firms. Some landfills might accept contaminated soils, but they require laboratory tests first.

Paint and dirt are often removed from surfaces by sandblasting. Sandblasting grits are the byproducts of this procedure and consist of the sand used and the paint and dirt particles that are removed from the surface. These materials are considered hazardous if they are removed from older structures because they are more likely to contain lead-, cadmium-, or chrome-based paints. To ensure proper disposal of sandblasting grits, contract with a licensed waste management or transport and disposal firm.

Solvents, cements, sealers, and other potentially hazardous materials used during the installation of utilities, construction of pavement, and/or the maintenance of equipment shall be used with great care to prevent spillage in any volume. Minor spills shall be cleaned up by removing and disposing of contaminated soils properly. Major spills shall be reported in accordance with 455B/.386 Code of Iowa.

All waste materials such as packaging, crating, unused concrete, bricks, steel, cement, etc. shall be removed from the site and disposed of properly. Contractor shall provide adequate sanitary facilities.

ties for collection of human waste at all times during the construction period.

d. Pesticides and Fertilizers:

1. Follow all federal, state, and local regulations that apply to the use, handling, or disposal of pesticides and fertilizers.
2. Do not handle the materials any more than necessary.
3. Store pesticides and fertilizers in a dry, covered area.
4. Construct berms or dikes to contain stored pesticides and fertilizers in case of spillage.
5. Follow the recommended application rates and methods.
6. Have equipment and absorbent materials available in storage and application areas to contain and clean up any spills that occur.

e. Petroleum Products:

Equipment refueling and maintenance operations shall be carried out in such a manner so as to prevent any spills and contamination to the soil and ground water. Stored equipment shall be situated on the site such that any spill can be contained on the site in an area where cleanup can be readily accomplished in all weather conditions. Minor spills shall be cleaned up by collecting the contaminated soil and removing it from the site and disposing of it properly. Major spills will require the owner and operator to comply with spill notification requirements as specified in 455B/.386 of the Iowa Code. The law requires that as soon as possible the Iowa DNR and the local sheriff's office be notified of any "hazardous condition". Clean up procedures will depend on the severity of the spill.

1. Store new and used petroleum products for vehicles in covered areas with berms, dikes, or structures in place to contain any spills.
2. Immediately contain and clean up any spills with absorbent materials.
3. Have equipment available in fuel storage areas and in vehicles to contain and clean up any spills that occur.

f. Detergents:

Phosphorous- and nitrogen- containing detergents are used in wash water for cleaning vehicles. Excesses of these nutrients can be a major source of water pollution. Use detergents only as recommended, and limit their use on the site. Do not dump wash water containing detergents into the storm drain system; direct it to a sanitary sewer or contain it so that it can be treated as a wastewater treatment plant.

g. Maintenance Considerations:

Contractor shall inspect storage and use areas and identify containers or equipment that could mal-

function and cause leaks or spills. Check equipment and containers for leaks, corrosion, support or foundation failure, or other signs of deterioration, and test them for soundness. Immediately repair or replace any that are found to be defective.

Follow and comply with state and local waste disposal regulations.

2. Off-Site Vehicle Tracking

Control off-site vehicle tracking by installing a rock construction exit/entrance or equal.

- a. The stabilized site exit shall be graded so runoff does not enter the adjacent street.
- b. Place geo-textile fabric under at layer of aggregate at least 6" thick. The aggregate should be 3" in diameter.
- c. Limit access to site for all employees and contractors to this designated entrance.
- d. Replenish or replace aggregate if it becomes clogged with sediment.
- e. Sweep street regularly and whenever debris is present.

3. Concrete Wash-out

Concrete washouts shall be used to contain concrete and liquids when the chutes of concrete mixers and hoppers of concrete pumps are rinsed out after delivery.

- a. Do not place concrete washout facilities within 50' of storm drains, open ditches, or water bodies. They should be placed in a location that allows convenient access for concrete trucks. Appropriate gravel or rock should cover paths to concrete washout facilities if the facilities are located on undeveloped property. On large sites with extensive concrete work, washouts should be placed in multiple locations for ease of use by concrete truck drivers.
- b. Check all concrete washout facilities daily to determine if they have been filled to 75% capacity, which is when materials need to be removed. Washouts should be inspected daily to ensure that plastic linings are intact and sidewalls have not been damaged by construction activities.
- c. Remove hardened solids, re use the solids onsite or haul them away for recycling or proper disposal.

4. Equipment/Vehicle Fueling and Maintenance

Prevent discharge of pollutants from equipment fueling and maintenance.

- a. Contractor shall designate areas for fueling and maintenance away from drainage facilities and water courses to prevent storm water run-on and run-off.
- b. Inspect on-site vehicles and equipment daily for leaks.
- c. Use drip pans, drip cloths, or absorbent pads when replacing fluids. Collect all spent fluids, store in appropriate labeled containers in the proper storage area, and recycle fluids when possible.

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PART 6

OTHER ADMINISTRATIVE REQUIREMENTS



KEEPING PLANS CURRENT:

The permittee (owner) shall amend the plan whenever there is a change in design, construction, operation, or maintenance, or if the plan proves ineffective in achieving the objectives of controlling pollutants in storm water discharge. The plan shall be updated to include all contractors identified as co-permittees, identify any change in ownership or transference of permit responsibilities, or, if required by the occurrence of a hazardous condition.

RELEASES IN EXCESS OF REPORTABLE QUANTITIES:

The owner or any operator identified in the plan is subject to the spill notification requirements as specified in 455B/.386 of the Iowa Code. Iowa law requires that as soon as possible but not later than six hours after the onset of a "hazardous condition" the Iowa Department of Natural Resources and local sheriff's office be notified.

The SWPPP shall be modified within five calendar days of knowledge of the release to provide a description of the release and the circumstances leading to the release and to identify and provide for the implementation steps to prevent the reoccurrence of such releases and to respond to such releases.

PERMIT RENEWAL:

The NPDES permit is good for one year. Owner shall renew the permit on an annual basis as required.

TRANSFER OF COVERAGE:

Owner shall notify the Iowa DNR within 30 days of a change in title to this property or any part thereof. New owners shall be subject to all terms and conditions of the general permit. The new owners shall be made fully aware of the requirements of the general permit. A copy of the notice of transfer given to the new owner and sent to the IDNR shall be included and the pollution prevention plan.

If the new owners agree in writing to be solely responsible for compliance with the provisions of this permit for the property which has been transferred, then the existing permittees from and after the date the IDNR receives written notice of the transfer of responsibility. A copy of the notice of transfer of responsibility shall be included in the pollution prevention plan. Owner shall require property buyers to provide their own SWPPP before disturbing any soil on their property.

NOTICE OF DISCONTINUATION:

Owner is required to file a Notice of Discontinuation with the Iowa DNR within 30 days after final stabilization of the site is achieved. Final stabilization means that all soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of 70% for the area has been established or equivalent measures have been employed.

RECORD KEEPING:

Permittee shall retain the SWPPP, all inspection reports, and data used to complete the Notice of Intent for at least three years after final stabilization has been achieved and a Notice of Discontinuation has been submitted to the Iowa Department of Natural Resources.

During construction, the SWPPP shall be kept on site if a trailer or covered structure is available. If there is no trailer or other covered structure available on-site, then the SWPPP shall be kept at a readily available site and be available for inspection with three hours of notice.

INSPECTIONS & MAINTENANCE:

Owner shall be responsible for a site inspection of the construction site at least once every seven calendar days.

Inspection notes shall be recorded in writing and filed with the Storm Water Pollution Prevention Plan.

Contractor shall maintain all equipment in good condition to minimize the likelihood of a fuel or oil spill. All solvents, glues, sealers, cements, and similar materials shall be used in accordance with the manufacturer's recommendation. Erosion control devices shall be maintained on a regular basis to make sure they will operate effectively. Any temporary seeding cover which has been damaged or otherwise deteriorated shall be reseeded or rejuvenated by other means.

The permit holder (owner) shall amend the plan whenever there is a change in design, construction, operation, or maintenance, or if the plan proves ineffective in achieving the objectives of controlling pollutants in storm water discharge. The plan shall be updated to include all contractors identified as co-permit holders, identify any change in ownership or transference of permit responsibilities, or, if required by the occurrence of a hazardous condition.

OWNER DUTIES AND RESPONSIBILITIES:

The owner/developer as the NPDES permit holder has the following administrative responsibilities during the course of the project:

- Owner has prepared, and receives the SWPPP package. (GreenTech has prepared SWPPP)
- Check package for Notice of Intent (NOI), Proof of Publication, and SWPPP.
- Field review plans and SWPPP for completeness, adjust as necessary.
- At pre-construction meeting discuss SWPPP, erosion control measures, and schedules. Prime contractor supplies signed certification statements from self and all sub-contractors involved with storm water concerns. (GreenTech of Iowa shall be responsible)
- Project inspector prepares diary pages for storm water site inspections. This includes weekly inspections. (GreenTech of Iowa shall be responsible)
- Amend and update SWPPP for changes as project progresses. This includes all storm water inspection reports. (GreenTech of Iowa shall be responsible)
- Once final stabilization has been achieved on at least 70% of the project site, submit Notice of Discontinuation to the Iowa Department of Natural Resources (IDNR) to discontinue NPDES permit. (GreenTech of Iowa shall be responsible)
- Retain all records in project files. (GreenTech of Iowa shall be responsible)

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STORM WATER POLLUTION PREVENTION PLAN

APPENDIX A

**NPDES GENERAL PERMIT
NO. 2**



IOWA DEPARTMENT OF NATURAL RESOURCES

**NATIONAL POLLUTANT DISCHARGE ELIMINATION
SYSTEM (NPDES)**

GENERAL PERMIT NO. 2

**EFFECTIVE DATES
OCTOBER 1, 2012 THROUGH OCTOBER 1, 2017**

FOR

**STORM WATER DISCHARGE ASSOCIATED WITH
CONSTRUCTION ACTIVITIES**

NPDES GENERAL PERMIT NO. 2
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PART I. COVERAGE UNDER THIS PERMIT

- A. **PERMIT AREA** This permit covers all areas of the State of Iowa.

B. **ELIGIBILITY**

1. A. Except for discharges identified under Parts I.B.2. and I.B.3., this permit may authorize the discharge of storm water associated with industrial activity from construction sites, (those sites or common plans of development or sale that will result in the disturbance of one or more acres total land area), (hereafter referred to as storm water discharge associated with industrial activity for construction activities) occurring after the effective date of this permit (including discharges occurring after the effective date of this permit where the construction activity was initiated before the effective date of this permit), including storm water discharge associated with industrial activity from areas that are dedicated to producing earthen materials, such as soils, sand and gravel, for use at a single construction site.

B. This permit may authorize storm water discharge from a construction site that is mixed with storm water discharge associated with industrial activity from sources other than construction activities provided that the storm water discharge from the industrial (non-construction) source is in compliance with the terms of a NPDES general permit, other than this general permit, or individual permit authorizing such discharge. In addition, the storm water other than from construction, shall be in compliance with Part IV.D.6. of this permit.

2. **LIMITATIONS ON COVERAGE** The following storm water discharges associated with industrial activity for construction activities are not authorized by this permit:

A. storm water discharges that are mixed with sources of non-storm water other than discharges identified in Part III.A.2. of this permit;

B. storm water discharges associated with industrial activity for construction activities which are covered by an existing individual NPDES permit or which are issued a permit in accordance with Part I.C. of this permit.

Storm water discharges authorized by an existing individual NPDES permit will be eligible to apply for coverage under this general permit as the existing individual permit expires; and

C. storm water discharges associated with industrial activity for construction activities that the Iowa Department of Natural Resources has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard.

D. new or expanded "storm water discharge associated with industrial activity" that discharges to Outstanding Iowa Waters or to Outstanding National Resource Waters.

3. **EXCLUSIONS** The following "storm water discharges associated with industrial activity" from construction activities do not require a NPDES permit:

discharges from agricultural and silvicultural activities including storm water runoff from orchards, cultivated crops, pastures, range lands, and forest lands, but not discharges from concentrated animal feeding operations as defined in 40 CFR 122.23, concentrated aquatic production facilities as defined in 40 CFR 122.24, discharges to aquaculture projects as defined in 40 CFR 122.25, and discharges from silvicultural point sources as defined in 40 CFR 122.27.

C. **REQUIRING AN INDIVIDUAL PERMIT**

1. The Department may require any person authorized by this permit to apply for and obtain an individual NPDES permit. The Department may require any owner or operator authorized to discharge under this permit to apply for an individual NPDES permit only if the owner or operator has been notified in writing that a permit application is required. This notice shall include a brief

statement of the reasons for this decision, an application form, a statement setting a deadline for the owner or operator to file the application, and a statement that on the effective date of the individual NPDES permit, coverage under this general permit shall automatically terminate. If an owner or operator fails to submit an individual NPDES permit application required by the Department under this paragraph, coverage of this general permit automatically is terminated at the end of the day specified for submittal of the individual NPDES application.

2. Any person authorized to discharge under this permit may apply for an individual NPDES permit. In such cases, the discharger shall submit the following in accordance with the requirements of subrule (567)--64.3(4) in the Iowa Administrative Code:

A. an individual application, using DNR Form 1 and EPA Form 2F, and,

B. all applicable fees identified in rule (567)--64.16 in the Iowa Administrative Code.

3. When an individual NPDES permit is issued to a discharger covered under this general permit, the applicability of this general permit to the individual NPDES permittee is automatically terminated on the effective date of the individual NPDES permit.

When an individual NPDES permit is denied to a discharger otherwise subject to this permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the date of such denial, unless otherwise specified by the Department.

D. AUTHORIZATION

A discharger must submit a Notice of Intent (NOI) in accordance with the requirements of Part II of this permit in order for storm water discharge associated with industrial activity for construction activities pursuant to Part I.B. of this permit to be authorized to discharge under this general permit.

PART II. NOTICE OF INTENT (NOI) REQUIREMENTS

A. DEADLINES FOR FILING A NOTICE OF INTENT

For storm water discharge associated with industrial activity for construction activities where construction begins after October 1, 1992, construction activities shall not commence until an authorization has been issued for the project by the Department.

- B. FAILURE TO NOTIFY Dischargers who fail to notify the Department of their intent to be covered, and discharge pollutants to water of the United States within Iowa, without an NPDES permit, are in violation of the Clean Water Act and the Code of Iowa.

- C. CONTENTS OF THE NOTICE OF INTENT A complete Notice of Intent shall include the items described in Parts II.C.1., II.C.2., and II.C.3. of this permit.

1. A completed Notice of Intent (NOI) form, DNR Form 542-1415, signed in accordance with Part VI.G. of this permit. The information on the form shall include the following:

A. Name, address, and location of the construction site for which this notification is submitted. The location should be provided as the 1/4 section, township, range, and the county in which the storm water discharge is located.

B. The owner's name, address, telephone number, and status (federal, state, private, public or other entity).

C. The name, address and telephone number of any operator (contractor) that has been identified as having a role in the storm water pollution prevention plan for the site required under Part IV.D.7. of this permit. Contractors (operators) identified after the submittal of the completed Notice of Intent shall be identified in the pollution prevention plan.

IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2
STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FOR CONSTRUCTION ACTIVITIES
EFFECTIVE DATE - OCTOBER 1, 2012 TO OCTOBER 1, 2017

D. The type of discharge (new or existing as related to October 1, 1992); whether or not the discharge is to a municipal separate storm sewer system; the date the discharge is to commence; the permit status of the discharge; and, the name of the receiving waters.

E. An indication if any existing quantitative data is available describing the concentration of pollutants in storm water discharges and a summary of available existing data. (Existing data should not be included as part of the NOI, it should retained as part of the Pollution Prevention Plan).

F. A brief description of the project; an estimated timetable for major activities; and, an estimate of the number of acres of the site on which soil will be disturbed.

G. A certification that compliance with G.(1). through G.(4). are met:

G.(1). the pollution prevention plan has been developed before this Notice of Intent is submitted to the Department;

G.(2). the pollution prevention plan will be implemented on October 1, 1992 for any existing storm water discharge associated with industrial activity for construction activities. For a storm water discharge associated with industrial activity for construction activities that commence after October 1, 1992, the pollution prevention plan shall be implemented with the start of construction activities;

G.(3). this Notice of Intent will be included and incorporated into the pollution prevention plan and will be updated as required; and,

G.(4). the storm water pollution prevention plan provides compliance with section 467A.64 of the Code of Iowa and local sediment and erosion plans and are consistent with the requirements of Part IV of this general permit.

2. APPLICABLE FEES The applicable fees specified in Iowa Administrative Code 567 -- 64.16(455B).

3. PUBLIC NOTIFICATION A demonstration that the public notice specified in Iowa Administrative Code 567--64.6(1)"c"(2) was published at least one day, in one newspaper with the largest circulation in the area in which the facility is located or the activity will occur.

D. WHERE TO SUBMIT Facilities which discharge storm water associated with industrial activity for construction activities must submit items described in Parts II.C.1., 2., and 3. of this permit to the Department at the following address:

Storm Water Coordinator
Iowa Department of Natural Resources
502 E. 9th St.
Des Moines, IA 50319-0034

E. RENOTIFICATION Prior to the expiration of an authorization issued under this general permit, the permittee is required to resubmit a Notice of Intent (no additional public notice is required) with the Department for coverage under the new general permit. If a new general permit has not been reissued prior to the expiration of the current permit, the provisions and coverage of the current permit are extended until replaced by the adoption of a new general permit.

F. TRANSFER OF COVERAGE UNDER THIS PERMIT For storm water discharge associated with industrial activity for construction activities where the ownership changes, the Department must be notified of the title transfer within 30 days. Both the previous owner(s) and the new owner(s) are responsible for notifying the Department of the transfer and the new owner's name and contact information. This requirement shall be satisfied upon the Department's receipt of the notification of this information by either the previous owner(s) or the new owner(s). If a storm water discharge associated with industrial activity for construction activities is covered by this general permit, the new owner(s) shall be subject to all terms and

conditions of this general permit. A copy of the notice of transfer that was sent to the Department shall be included in the pollution prevention plan. For construction activity which is part of a larger common plan of development such as a housing or commercial development project, if a permittee transfers ownership of all or any part of property subject to this permit, both the permittee and transferee shall be responsible for compliance with the provisions of this permit for that portion of the project which has been transferred including when the transferred property is less than one acre in area. If the new owner(s) agree in writing to be solely responsible for compliance with the provisions of this permit for the property which has been transferred, then the existing permittee(s) shall be relieved of responsibility for compliance with this permit for the transferred property, from and after the date the Department receives written notice of transfer of responsibility. A copy of the notice of transfer of responsibility shall be included in the pollution prevention plan.

G. NOTICE OF DISCONTINUATION

1. Within 30 days after final stabilization at a construction site (as defined in Part VIII of this permit), the operator or owner of the facility shall submit a Notice of Discontinuation to the Department.
2. The Notice of Discontinuation shall include the following information:
 - A. the name of the owner/operator to which the permit was issued;
 - B. the general permit number and permit authorization number;
 - C. the date the construction site reached final stabilization; and,
 - D. the following certification signed in accordance with Part VI.G. of this permit:

"I certify under penalty of law that disturbed soils at the identified facility have been finally stabilized and temporary erosion and sediment control measures have been removed or will

be removed at an appropriate time. I understand that by submitting this Notice of Discontinuation, that I am no longer authorized to discharge storm water associated with industrial activity for construction activities by Iowa Department of Natural Resources General NPDES Permit No. 2. and that discharging pollutants from storm water associated with industrial activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by a NPDES permit."

PART III. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, AND OTHER NON-NUMERIC LIMITATIONS

A. PROHIBITION ON NON-STORM WATER DISCHARGES

1. All discharges authorized by this permit shall be composed entirely of storm water except for non-storm discharges listed in Part III.A.2.
2. Discharges from fire fighting activities; fire hydrant flushings; waters used to wash vehicles in accordance with Part IV.D.2.C.(2).; potable water sources including waterline flushings; irrigation drainage; routine external building washdown which does not use detergents; pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; air conditioning condensate; springs; uncontaminated groundwater; and foundation or footing drains where flows are not contaminated with process materials such as solvents; may be authorized by this permit provided the non-storm water component of the discharge is in compliance with Part IV.D.5. of this permit.

B. RELEASES IN EXCESS OF REPORTABLE QUANTITIES Any owner or operator identified in the pollution prevention plan is subject to the spill notification requirements as specified in 455B.386 of the Iowa Code. Iowa law requires that as soon as possible but not more than six hours after the onset of a "hazardous condition" the Department and local

sheriff's office or the office of the sheriff of the affected county be notified.

The storm water pollution prevention plan described in Part IV of this permit must be modified within 5 calendar days of knowledge of the release to provide a description of the release and the circumstances leading to the release and to identify and provide for the implementation of steps to prevent the reoccurrence of such releases and to respond to such releases.

PART IV. STORM WATER POLLUTION PREVENTION PLANS

A storm water pollution prevention plan shall be developed for each construction site covered by this permit. Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of the storm water discharge from the construction activities. In addition, the plan shall describe and ensure the implementation of practices which will be used to reduce the pollutants in storm water discharge associated with industrial activity for construction activities at the construction site and to assure compliance with the terms and conditions of this permit. Facilities must implement the provisions of the storm water pollution prevention plan required under this part as a condition of this permit.

A. DEADLINES FOR POLLUTION PREVENTION PLAN PREPARATION AND COMPLIANCE

1. **POLLUTION PREVENTION PLAN PREPARATION DEADLINE** The pollution prevention plan shall be completed prior to the submittal of an NOI to the Department to be covered under this permit and shall be updated as appropriate.
2. **POLLUTION PREVENTION PLAN COMPLIANCE DEADLINE** The pollution prevention plan shall provide for compliance with the terms and schedule of the plan prior to the initiation of construction activities.

B. SIGNATURE AND PLAN REVIEW

1. The plan shall be signed in accordance with Part VI.G., and be retained at the construction site from the date construction activities begin to the date of final stabilization.
 2. The permittee shall make plans available to the Department upon request, or in the case of a storm water discharge associated with industrial activity for construction activities which discharge through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system.
 3. The Department may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. After such notification from the Department, the permittee shall make changes to the plan and shall submit to the Department a written certification that the requested changes have been made. Unless otherwise provided by the Department, the permittee shall have 3 business days after such notification to make the necessary changes.
 4. All storm water pollution prevention plans received by the Department from the permittee are considered reports that shall be available to the public under Section 308(b) of the CWA and Chapter 22 of the Code of Iowa. However, the permittee may claim any portion of a storm water pollution plan as confidential in accordance with Chapter 22 of the Code of Iowa and Iowa Administrative Code (561)--2.5.
- C. **KEEPING PLANS CURRENT** The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to the waters of the United States and which has not been addressed in the plan or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified in Part IV.D.2. of this permit, or in otherwise achieving the general objectives of controlling pollutants in storm water discharge associated with industrial activity for construction

activities. In addition, the pollution prevention plan shall be updated to: expeditiously change the site map to include changes at the site, include contractors identified after the submittal of the Notice of Intent as Co-permittees, described in Part IV.D.7. of this permit; identify any change in ownership or transference of the permit and permit responsibilities; or, if required, by the occurrence of a hazardous condition (as defined in Part VIII of this permit). Amendments to the plan may be reviewed by the Department of Natural Resources in the same manner as Part IV.B.2.

D. CONTENTS OF THE POLLUTION PREVENTION PLAN. The storm water pollution prevention plan shall include the following items:

1. SITE DESCRIPTION Each plan shall provide a description of the following:

A. a description of the nature of the construction activity;

B. estimates of the total area of the site and the area of the site that is expected to be disturbed by excavation, grading, or other activities;

C. an estimate of the runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

D. a site map indicating drainage patterns and approximate slopes anticipated after major grading activities; areas of soil disturbance, the location of structural and nonstructural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where storm water is discharged to a surface water; and

E. the name of the receiving water(s) and the ultimate receiving water(s).

2. CONTROLS Each plan shall include a description of controls that will be implemented at the construction site. The plan will clearly describe the intended sequence of

major activities and for each activity, the appropriate control measures and the timing during the construction process that the measures will be implemented. (For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls will be removed after final stabilization). The description of controls shall address the following minimum components:

A. EROSION AND SEDIMENT CONTROLS

A.(1). STABILIZATION PRACTICES A description of temporary and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans should ensure that existing vegetation is preserved where attainable and that disturbed areas are stabilized. Stabilization practices may include: temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as precluded by snow cover, stabilization measures shall be initiated on all disturbed areas as soon as practical but in no case where construction activity will not occur for a period of 21 or more calendar days later than the 14th day after no construction activity has occurred on such area. Where the initiation of stabilization measures by the 14th day after no construction activity occurs is precluded by snow cover, then stabilization measures shall be initiated as soon as practicable thereafter.

A.(2). STRUCTURAL PRACTICES A description of structural practices to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff from exposed areas of the site. Such practices may include silt fences, earth dikes, brush barriers, drainage swales, sediment

traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Structural practices should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA.

A.(2).(a). For common drainage locations that serve an area with more than 10 disturbed acres at one time, a temporary or permanent sediment basin providing 3,600 cubic feet of storage per acre drained shall be provided where attainable until final stabilization of the site has been achieved. The 3,600 cubic feet of storage area per acre drained does not apply to flows from offsite areas and flows from onsite areas that are either undisturbed or have undergone final stabilization where such flows are diverted around the sediment basin. For drainage locations which serve more than 10 disturbed acres at one time and where a temporary sediment basin providing 3,600 cubic feet of storage per acre drained is not attainable, sediment traps, silt fences, or equivalent sediment controls are required for all sideslope and downslope boundaries of the construction area.

A.(2).(b). For drainage locations serving 10 or fewer acres, sediment traps, silt fences or equivalent sediment controls are required for all sideslope and downslope boundaries of the construction area or a sediment basin providing for 3,600 cubic feet of storage per acre drained.

A.(2).(c). Unless infeasible, the following measures shall be implemented at all sites: utilize outlet structures that withdraw water from the surface when discharging from basins, provide and maintain natural buffers around surface waters and direct storm water to vegetated areas to both increase sediment removal and maximize storm water infiltration.

The permittee(s) shall minimize soil compaction and, unless infeasible, preserve topsoil. "Infeasible" shall mean not

technologically possible, or not economically practicable and achievable in light of the best industry practices. "Unless infeasible, preserve topsoil" shall mean that, unless infeasible, topsoil from any areas of the site where the surface of the ground for the permitted construction activities is disturbed shall remain within the area covered by the applicable General Permit No. 2 authorization. Minimizing soil compaction is not required where the intended function of a specific area of the site dictates that it be compacted. Preserving topsoil is not required where the intended function of a specific area of the site dictates that the topsoil be disturbed or removed. The permittee(s) shall control storm water volume and velocity to minimize soil erosion in order to minimize pollutant discharges and shall control storm water discharges, including both peak flowrates and total storm water volume, to minimize channel and stream bank erosion and scour in the immediate vicinity of discharge points. An affidavit signed by the permittee(s) may be submitted to demonstrate compliance.

For construction activity which is part of a larger common plan of development, such as a housing or commercial development project, in which a new owner agrees in writing to be solely responsible for compliance with the provisions of this permit for the property which has been transferred or in which the new owner has obtained authorization under this permit for a lot or lots (as specified in subrule 567-64.6(6) of the Iowa Administrative Code), the topsoil preservation requirements described above must be met no later than at the time the lot or lots have reached final stabilization as described in this permit.

The topsoil preservation requirement described above shall be implemented for projects that have not received an authorization under this permit prior to October 1, 2012. The topsoil preservation requirements are not required to be implemented for projects that have been authorized prior to October 1, 2012. In residential and commercial developments, a plat is considered a project. For other large areas that have been authorized for multiple

construction sites, including those to be started at a future date, such as those located at industrial facilities, military installations and universities, a new construction project not yet surveyed and platted out is considered a project. This stipulation is intended to be interpreted as requiring the topsoil preservation requirements on development plats and construction activities on other extended areas that may have several construction projects permitted under the same authorization to be implemented on those projects not yet surveyed and platted out prior to October 1, 2012 even if other plats and construction activities in the same development or other extended area were authorized prior to October 1, 2012.

B. STORM WATER MANAGEMENT A description of measures that will be installed during construction to control pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Permittees are only responsible for the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with industrial activity have been eliminated from the site.

B.(1). Such practices may include: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; and infiltration of runoff onsite; and sequential systems (which combine several practices). A goal of 80 percent removal of total suspended solids from those flows which exceed predevelopment levels should be used in designing and installing storm water management controls (where practicable). Where this goal is not met, the permittee shall provide justification

for rejecting each practice based on site conditions.

B.(2). Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions present prior to the initiation of construction activities).

C. OTHER CONTROLS

C.(1). WASTE DISPOSAL All wastes composed of building materials must be removed from the site for disposal in permitted disposal facilities. No building material wastes or unused building materials shall be buried, dumped, or discharged at the site.

C.(2). Off-site vehicle tracking of sediments shall be minimized.

C.(3). The plan shall ensure and demonstrate compliance with applicable State or local waste disposal, sanitary sewer or septic system regulations.

D. APPROVED STATE OR LOCAL PLANS

Facilities which discharge storm water associated with industrial activity for construction activities must include in their storm water pollution prevention plan procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by State or local officials. Applicable requirements specified in sediment and erosion plans, site permits or storm water management plans approved by State or local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit even if they are not specifically included in a storm water pollution prevention plan required under this permit.

Operators of facilities seeking alternative permit requirements shall submit an individual permit application in accordance with Part I.C.2. of this permit along with a description of why requirements in approved State or local plans should not be applicable as a condition of an NPDES permit.

3. **MAINTENANCE** A description of procedures to maintain in good and effective operating conditions vegetation, erosion and sediment control measures and other protective measures identified in the site plan.

4. **INSPECTIONS** Qualified personnel (provided by the discharger) shall inspect disturbed areas of the construction site that have not been stabilized with a perennial, vegetative cover of sufficient density to preclude erosion at least once every seven calendar days. Unless erosion is evident or other conditions warrant them, regular inspections are not required on areas that have been stabilized with a perennial, vegetative cover of sufficient density to preclude erosion.

A. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

B. Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with paragraph IV.D.1. of this permit and pollution prevention measures identified in the plan in accordance with paragraph IV.D.2. of this permit shall be revised as appropriate as soon as practicable after such inspection. Such modifications shall provide for implementation of any changes to the plan

within 7 calendar days following the inspection.

C. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph IV.D.4.B. of the permit shall be made and retained as part of the storm water pollution prevention plan for at least three years after final stabilization has been achieved and a Notice of Discontinuation has been submitted to the Department. The report shall be signed in accordance with Part VI.G. of this permit.

5. **NON-STORM WATER DISCHARGES** Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2. of this permit that are combined with storm water discharges associated with industrial activity from construction activities must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

6. **ADDITIONAL REQUIREMENTS FOR STORM WATER DISCHARGE FROM INDUSTRIAL ACTIVITIES OTHER THAN CONSTRUCTION, INCLUDING DEDICATED ASPHALT PLANTS, AND DEDICATED CEMENT PLANTS** This permit may only authorize a storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

A. the industrial source other than construction is located on the same site as the construction activity;

B. storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and,

C. storm water discharges associated with industrial activity from the areas of the site

where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants and dedicated cement plants) are in compliance with the terms and conditions, including applicable NOI or application requirements, of a different NPDES general permit or individual permit authorizing such discharges.

7. **CONTRACTORS**

A. The storm water pollution prevention plan must clearly identify for each measure in the plan, the contractor(s) and/or subcontractor(s) that will implement the measure. All contractors and subcontractors identified in the plan must sign a copy of the certification statement in Part IV.D.7.B. of this permit in accordance with Part VI.G. of this permit. Upon signing the certification, the contractor or sub-contractor is a co-permittee with the owner and other co-permittee contractors. All certifications must be included in the storm water pollution prevention plan.

B. **CERTIFICATION STATEMENT** All contractors and subcontractors identified in a storm water pollution prevention plan in accordance with Part IV.D.7.A. of this permit shall sign a copy of the following certification statement before conducting any professional service at the site identified in the storm water pollution prevention plan:

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by my signature, I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No. 2 for "Storm Water Discharge Associated with Industrial Activity for Construction Activities" at the identified site. As a co-permittee, I understand that I, and my company, are legally

required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit."

The certification must include the name and title of the person providing the signature; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

PART V. RETENTION OF RECORDS

A. The permittee shall retain copies of storm water pollution prevention plans and all reports required by this permit, and records of all data used to complete the Notice of Intent to be covered by this permit, for a period of at least three years from the date that the site is finally stabilized and a Notice of Discontinuation has been submitted to the Department.

B. If there is a construction trailer, shed or other covered structure located on the property the permittee shall retain a copy of the storm water pollution prevention plan required by this permit at the construction site from the date of project initiation to the date of final stabilization. If there is no construction trailer, shed or other covered structure located on the property, the permittee shall retain a copy of the plan at a readily available alternative site approved by the Department and provide it for inspection upon request. If the plan is maintained at an off-site location such as a corporate office, it shall be provided for inspection no later than three hours after being requested.

C. **ADDRESSES** All written correspondence to the Department should be sent to the following address:

Storm Water Coordinator
Iowa Department of Natural Resources
502 E. 9th St.
Des Moines, IA 50319-0034

PART VI. STANDARD PERMIT CONDITIONS

A. DUTY TO COMPLY

1. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Code of Iowa and the Clean Water Act and is grounds for enforcement action; for termination of coverage under this general permit; or, for denial of a request for coverage under a reissued general permit.

2. **TOXIC POLLUTANTS** The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Clean Water Act (CWA) for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if this permit has not yet been modified to incorporate the requirement.

- B. CONTINUATION OF THE EXPIRED GENERAL PERMIT** This permit expires on October 1, 2017. An expired general permit continues in force until replaced by adoption of a new general permit.

- C. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

- D. DUTY TO MITIGATE** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

- E. DUTY TO PROVIDE INFORMATION** The permittee shall furnish to the Department, within three hours, any information which the Department may request to determine compliance with this permit. The permittee shall also furnish to the Department upon request copies of records required to be kept by this permit.

- F. OTHER INFORMATION** When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect

information in the Notice of Intent or in any other report to the Department, he or she shall promptly submit such facts or information.

- G. SIGNATORY REQUIREMENTS** All Notices of Intent, storm water pollution prevention plans, reports, certifications or information either submitted to the Department or the operator of a municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed in accordance with rule 567--64.3(8) of the Iowa Administrative Code as follows:

64.3(8) *Identity of signatories of operation permit applications.* The person who signs the application for an operation permit shall be:

a. *Corporations.* In the case of corporations, a principal executive officer of at least the level of vice-president.

b. *Partnerships.* In the case off a partnership, a general partner.

c. *Sole proprietorships.* In the case of a sole proprietorship, the proprietor.

d. *Public facilities.* In the case of a municipal, state, or other public facility, by either the principal executive officer, or the ranking elected official.

e. *Storm water discharge associated with industrial activity from construction activity.* In the case of a storm water discharge associated with industrial activity from construction as identified in 40 CFR 122.26(b)(14)(x), either the owner of the site or the general contractor.

The person who signs NPDES reports shall be the same, except that in the case of a corporation or a public body, monitoring reports required under the terms of the permit may be submitted by the person who is responsible for the overall operation of the facility from which the discharge originated.

- H. **CERTIFICATION** Any person signing documents under paragraph VI.G. shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- I. **OIL AND HAZARDOUS SUBSTANCE LIABILITY**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the Clean Water Act.

- J. **PROPERTY RIGHTS** The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

- K. **SEVERABILITY** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

- L. **TRANSFERS** This permit is not transferable to any person except after notice to the Department. The Department may require the discharger to apply for and obtain an individual NPDES permit as stated in Part I.C.

- M. **PROPER OPERATION AND MAINTENANCE**

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of this permit.

- N. **INSPECTION AND ENTRY** The permittee shall allow the Department or an authorized representative of EPA, the State, or, in the case of a facility which discharges through a municipal separate storm sewer, an authorized representative of the municipal operator or the separate storm sewer receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and,

3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment).

- O. **PERMIT ACTIONS** Coverage under this permit may be terminated for cause. The filing of a request by the permittee for a permit discontinuance, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

- P. **ENVIRONMENTAL LAWS** No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

PART VII. REOPENER CLAUSE

If there is evidence indicating potential or realized impacts or water quality due to any storm water discharge associated with industrial activity for construction activities covered by this permit, the owner or operator of such discharge may be required to obtain individual permit in accordance with Part I.C of this permit.

PART VIII. DEFINITIONS

"Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

"Construction site" means a site or common plan of development or sale on which construction activity, including clearing, grading and excavating, results in soil disturbance. A construction site is considered one site if all areas of the site are contiguous with one another and one entity owns all areas of the site.

"CWA" or "Clean Water Act" means the Federal Water Pollution Control Act.

"Dedicated portable asphalt plant" means a portable asphalt plant that is located on or contiguous to a construction site and that provides asphalt only to the construction site that the plant is located on or adjacent to.

"Dedicated portable concrete plant" means a portable concrete plant that is located on or contiguous to a construction site and that provides concrete only to the construction site that the plant is located on or adjacent to.

"Dedicated sand or gravel operation" means an operation that produces sand and/or gravel for a single construction project.

"Department" means the Iowa Department of Natural Resources.

"Final Stabilization" means that all soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of 70% for the area has been established or equivalent stabilization measures have been employed or which has been returned to agricultural production.

"Hazardous condition" means any situation involving the actual, imminent, or probable spillage, leakage, or release of a hazardous substance on to the land, into a water of the state, or into the atmosphere, which creates an immediate or potential danger to the public health or safety or to the environment. 455B.381(2) 1991, Code of Iowa

"Hazardous substance" means any substance or mixture of substances that presents a danger to the public health or safety and includes, but is not limited to, a substance that is toxic, corrosive, or flammable, or that is an irritant or that, in confinement, generates pressure through decomposition, heat, or other means. The following are examples of substances which, in sufficient quantity may be hazardous: acids; alkalis; explosives; fertilizers; heavy metals such as chromium, arsenic, mercury, lead and cadmium; industrial chemicals; paint thinners; paints; pesticides; petroleum products; poisons, radioactive materials; sludges; and organic solvents. "Hazardous substances" may include any hazardous waste identified or listed by the administrator of the United State Environmental Protection Agency under the Solid Waste Disposal Act as amended by the Resource Conservation and Recovery Act of 1976, or any toxic pollutant listed under section 307 of the federal Water Pollution Control Act as amended to January 1, 1977, or any hazardous substance designated under section 311 of the federal Water Pollution Control Act as amended to January 1, 1977, or any hazardous material designated by the secretary of transportation under the Hazardous Materials Transportation Act (49 CFR 172.101). 455B.381(1), 1991 Code of Iowa

"Municipality" means a city, town, borough, county, parish, district, association, or other public body created by or under State law.

"NOI" means Notice of Intent to be covered by this permit (see Part II of this permit.)

"Outstanding Iowa Waters" means those waters which constitute an outstanding state resource such as waters of exceptional recreational or ecological significance. These waters are identified in Appendix B of the Iowa Antidegradation Implementation Procedure manual.

"Outstanding National Resource Waters" means those waters which constitute an outstanding national resource such as waters of national and state parks and wildlife refuges and also waters of exceptional recreational or ecological significance. These waters are identified in Appendix B of the Iowa Antidegradation Implementation Procedure manual.

"Permittee" means the owner of the facility or site.

"Qualified personnel" means those individuals capable enough and knowledgeable enough to perform the required functions adequately well to ensure compliance with the relevant permit conditions and requirements of the Iowa Administrative Code.

"Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.

"Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

"Storm water discharge associated with industrial activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program under 40 CFR part 122. For the categories of industries identified in paragraphs (i) through (x) of this definition, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR part 401); sites used for the storage and maintenance of material handling

equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water.

For the categories of industries identified in paragraph (xi) of this definition, the term includes only storm water discharges from all the areas (except access roads and rail lines) that are listed in the previous sentence where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water. For the purposes of this paragraph, material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product, or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are Federally, State, or municipally owned or operated that meet the description of the facilities listed in these paragraphs (i)-(xi) of the definition) include those facilities designated under 40 CFR 122.26(a)(1)(v). The following categories of facilities are considered to be engaging in "industrial activity" for purposes of this definition;

(i) Facilities subject to storm water effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards under 40 CFR Subchapter N (except facilities with toxic pollutant effluent standards which are exempted under category (xi) of this definition);

(ii) Facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28 (except 283 and 285), 29, 311, 32 (except 323), 33, 3441, 373;

(iii). Facilities classified as Standard Industrial Classifications 10 through 14 (mineral industry) including active or inactive mining operations (except for areas of coal mining operations no longer meeting the definition of a reclamation area

under 40 CFR 434.11(1) because the performance bond issued to the facility by the appropriate SMCRA authority has been released, or except for areas of non-coal mining operations which have been released from applicable State or Federal reclamation requirements after December 17, 1990) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations; (inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim);

(iv) Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA;

(v) Landfills, land application sites, and open dumps that receive or have received any industrial wastes (waste that is received from any of the facilities described under this subsection) including those that are subject to regulation under Subtitle D of RCRA;

(vi) facilities involved in the recycling of materials, including metal scrap yards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093;

(vii) Steam electric power generating facilities, including coal handling sites;

(viii) Transportation facilities classified as Standard Industrial Classifications 40, 41, 42 (except 4221-4225), 43, 44, 45 and 5171 which have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport

deicing operations, or which are otherwise identified under paragraphs (i)-(vii) or (ix)-(xi) of this definition are associated with industrial activity;

(ix) Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 mgd or more, or required to have an approved pretreatment program under 40 CFR 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with 40 CFR 503;

(x) Construction activity including clearing, grading and excavation activities except: operations that result in the disturbance of less than one acre of total land area which are not part of a larger common plan of development or sale;

(xi) Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 285, 30, 31 (except 311), 323, 34 (except 3441), 35, 36, 37 (except 373), 38, 39, 4221-4225, (and which are not otherwise included within categories (ii)-(x));

"Storm water discharge associated with industrial activity for construction activities" means activities that fall under subparagraph (x) in the definition of storm water discharge associated with industrial activity.

"Topsoil" means the fertile, uppermost part of the soil containing significant organic matter largely devoid of debris and rocks and often disturbed in cultivation.

"Uncontaminated groundwater" means water that is potable for humans, meets the narrative water quality standards in subrule 567-61.3(2) of the Iowa Administrative Code, contains no more than half the listed concentration of any pollutants in subrule 567-61.3(3) of the IAC, has a pH of 6.5-9.0 and is located in soil or rock strata.

SWPPP

STORM WATER POLLUTION PREVENTION PLAN

APPENDIX B

**NOTICE OF INTENT,
PROOF OF PUBLICATION,
IOWA DNR AUTHORIZATION LETTER,
AND
NOTICE OF DISCONTINUATION**



Application uploaded, authorization issued - Application 4473

Facility Info

Name WESTOWN PARKWAY & R22 INTERSECTION Type GP #2 - Construction Activity
Address: 30973 UTE AVE
Description: INTERSECTION OF WESTOWN PARKWAY & R22 IN WAUKEE

City/State/Zip: WAUKEE IA 50263 County DALLAS

Permit Description RECONSTRUCTION OF INTERSECTION WITH GRADING, UTILITY WORK, AND PAVING.
Legal Status Public Sic Code Acres disturbed 5.00 Discharge Start Date 3/25/2016
Receiving Stream UNNAMED TRIBUTARY TO SUGAR CREEK.
Estimated. Timeline MARCH 2016 THROUGH FALL 2016
App Status New App File No 28471 Auth No 28214 Pre-Permitted No

Location Info

1/4 Section	Section	Township	Range
SW	5	78	26

Payment Info

Payment Method Credit Card Paid Date 3/23/2016 Amt \$180.00 Trans ID IOWDNR003377244

Primary Contact Info

Name NATHAN MINER Company Name GREENTECH OF IOWA
Address PO BOX 350
City/State/Zip GRIMES IA 50111 Phone No (515)522-2348
Email Address NATHAN@GREENTECHIOWA.COM

Owner Info

Name JOHN GIBSON Company Name CITY OF WAUKEE
Address 805 UNIVERSITY AVE
City/State/Zip WAUKEE IA 50263 Phone No (515)534-3468
Email Address JGIBSON@WAUKEE.ORG

Certifier Info

Name JOHN GIBSON Company Name CITY OF WAUKEE
Email Address JGIBSON@WAUKEE.ORG Title DIRECTOR OF PUBLIC WORKS



AFFIDAVIT OF PUBLICATION

State of Iowa

County of Polk, ss.:

The undersigned, being first duly sworn on oath, states that The Des Moines Register and Tribune Company, a corporation duly organized and existing under the laws of the State of Iowa, with its principal place of business in Des Moines, Iowa, the publisher of

THE DES MOINES REGISTER

newspaper of general circulation printed and published in the City of Des Moines, Polk County, Iowa, and that an advertisement, a printed copy of which is attached as Exhibit "A" and made part of this affidavit, was printed and published in The Des Moines Register on the following dates:

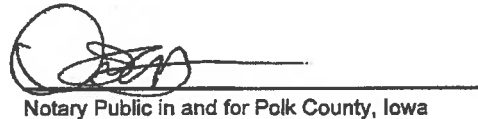
Ad No.	Start Date:	Run Dates:	Cost:
0001055465	02/18/16	02/18/16	\$26.14

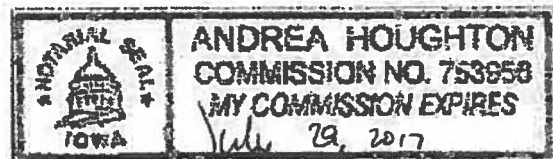
Copy of Advertisement
Exhibit "A"


VP/Registrar, Weekly Newspapers

Subscribed and sworn to before me by said affiant this

19th day of February, 2016


Notary Public in and for Polk County, Iowa



**STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Proof of Publication**

**PUBLIC NOTICE OF STORM
WATER DISCHARGE**

City of Waukeel plans to submit a Notice of Intent to the Iowa Department of Natural Resources to be covered under the NPDES General Permit No. 2 "Storm Water Discharge Associated with Industrial Activity for Construction Activities"

The storm water discharge will be from Reconstruction of Westown Parkway from R22 to 900' east of R22 in the City of Waukeel located in SW, Sec 5, Twp 078, R 28, Dallas County

Storm water will be discharged from 1 point source(s) and will be discharged to the following streams: Unnamed Tributary to Sugar Creek.

Comments may be submitted to the Storm Water Discharge Coordinator, Iowa Department of Natural Resources, Environmental Protection Division, 502 E. 9th Street, Des Moines, IA 50319-0034. The public may review the Notice of Intent from 8 a.m. to 4:30 p.m., Monday through Friday, at the above address after it has been received by the department.



STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
CHUCK GIPP, DIRECTOR

March 23, 2016

NATHAN MINER
GREENTECH OF IOWA
PO BOX 350
GRIMES, IA 50111

Re: Authorization of a Storm Water Discharge Associated With Construction Activity
Iowa Department of Natural Resources, NPDES General Permit No. 2
DNR Authorization Number: IA - 28471 - 28214
Facility Name and Location: WESTOWN PARKWAY & R22 INTERSECTION - CONSTRUCTION, WAUKEE, IA

This letter is to acknowledge that a complete Notice of Intent to be covered under Iowa's NPDES Storm Water General Permit No. 2 has been received. Please use the DNR Authorization Number provided above for any future correspondence on this project. By making this Notice of Intent with the DNR, you are committing to meet the terms and conditions in General Permit No. 2. If you do not have a copy of General Permit No. 2 please call (515)725-8415 and request that a copy be sent to you or go to

<http://www.iowadnr.gov/InsideDNR/RegulatoryWater/StormWater/GuidanceApplicationForms.aspx>

In accordance with the terms and conditions in General Permit No. 2, a pollution prevention plan was to have been developed before the Notice of Intent was submitted to the department. The plan is to be implemented at the start of construction and updated accordingly. The pollution prevention plan and other records are to be kept on-site where the storm water discharge occurs. Unless otherwise requested, you do not need to provide a copy to the DNR.

When the construction project has reached final stabilization as defined in the permit, you must submit a Notice of Discontinuation to the DNR (refer to the summary guidance document). Final stabilization is not achieved for residential and commercial developments until all houses and buildings have been constructed and ground surrounding them has been finally stabilized.

If you have questions, please call me at (515) 725-3403 or email at Mark.Lasnek@dnr.iowa.gov.

Sincerely,

Mark Lasnek
NPDES Section

Enclosure: Permit Authorization Sheet

File No. CON 11 - 34 -- 28471
IDNR Field Office # 5

**STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
DNR Authorization**



TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

STATE OF IOWA

DEPARTMENT OF NATURAL RESOURCES
CHUCK GIPP, DIRECTOR

DEPARTMENT OF NATURAL RESOURCES
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
NOTICE OF GENERAL PERMIT COVERAGE UNDER
GENERAL PERMIT NO. 2

STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY

This notice of general permit coverage for a storm water discharge associated with construction activity is issued pursuant to the authority of section 402 (b) of the Clean Water Act (U.S.C. 1342(b)), Iowa Code 455B.174, and subrule 567--64.4(2), Iowa Administrative Code. A Notice of Intent has been filed with the Iowa Department of Natural Resources that this storm water discharge complies with the terms and conditions of NPDES General Permit No. 2. Authorization is hereby issued to discharge storm water associated with industrial activity as defined in Part VIII of the Iowa Department of Natural Resources NPDES General Permit No. 2 in accordance with the terms and conditions set forth in the permit.

Owner: CITY OF WAUKEE
805 UNIVERSITY AVE.
WAUKEE 0 50263
(515)534-3468

Permit Coverage Issued To:

WESTOWN PARKWAY & R22 INTERSECTION - CONSTRUCTION
30973 UTE AVE.
in WAUKEE, DALLAS COUNTY
located at

1/4 Section	Section	Township	Range
SW	S	78N	26W

Coverage Provided Through:

3/25/2017

NPDES Permit Discharge Authorization Number:

28471 - 28214

Discharge Authorization Date:

3/25/2016

Project Description: RECONSTRUCTION OF INTERSECTION WITH GRADING,
UTILITY WORK, AND PAVING 5.0 ACRES

STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
DNR Authorization

NOTICE OF DISCONTINUATION**OF A STORM WATER DISCHARGE
COVERED UNDER IOWA NPDES GENERAL PERMIT NO. 2
FOR CONSTRUCTION ACTIVITIES**

Name of the owner or facility to which the storm water discharge general permit coverage was issued.

City of Waukee
County: Dallas

List the complete permit authorization number for the discharge. This number is provided on the bottom of the authorization sheet.

IA- 28471 -- 28214

List the date the construction site reached final stabilization as defined on the back of this form.

The following certification must be signed in accordance with the signatory requirements of the general permit (see back side).

I certify under penalty of law that disturbed soils at the identified facility have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time. I understand that by submitting this Notice of Discontinuation, I am no longer authorized to discharge storm water associated with industrial activity for construction activities by Iowa Department of Natural Resources NPDES General Permit No. 2 and that discharging pollutants from storm water associated with industrial activity to waters of the United States is unlawful under the Clean Water Act where the discharge is not authorized by an NPDES permit.

I further certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for known violations.

Name (print)

Title

Signature

Date

Return to:

Storm Water Coordinator
Department of Natural Resources
502 E. 9th Street
Des Moines, IA 50319-0034

Final Stabilization means that all soil disturbing activities at the site have been completed and that a uniform perennial vegetative cover for the area has been established or equivalent stabilization measures have been employed. All building must be completed before the project is considered finally stabilized.

SIGNATORY REQUIREMENTS All Notices of Intent, storm water pollution prevention plans, reports, certifications or information either submitted to the Department or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed in accordance with rule 567--64.3(8) of the Iowa Administrative Code as follows:

64.3(8) *Identity of signatories of operation permit applications.* The person who signs the application for an operation permit shall be:

- a. *Corporations.* In the case of corporations, a principal executive officer of at least the level of vice-president.
- b. *Partnerships.* In the case of a partnership, a general partner.
- c. *Sole proprietorships.* In the case of a sole proprietorship, the proprietor.
- d. *Public facilities.* In the case of a municipal, state, or other public facility, by either the principal executive officer, or the ranking elected official.
- e. *Storm water discharge associated with construction activity.* In the case of a storm water discharge associated with industrial activity from construction as identified in 40 CFR 122.26(b)(14)(x), either the owner of the site or the general contractor.

SWPPP

STORM WATER POLLUTION PREVENTION PLAN

APPENDIX C

CONTRACTOR CERTIFICATIONS





Owner Certification Statement

Permit#: 28471-28214

Project: Westown Parkway and R22 Intersection Reconstruction

Project Location: Westown Parkway and R22, Waukee, IA 50263

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner:

City of Waukee

Address:

230 Hickman Rd. Waukee, IA 50263

Phone:

515-978-7920

Representative & Title:

John R. Gibson Public Works Director

Signature

Date

4/5/16

NPDES CERTIFICATION STATEMENT
(for contractors with NO authority to modify SWPPP)

Project	WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Permit #	28471-28214
Project Location (address, lat/long, sec., township, range, county)	WESTOWN PARKWAY & R22, WAUKEE, IA 50263

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by my signature, I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No 2 for "Storm Water Discharge Associated with Industrial Activity for Construction Activities" at the identified site. As a co-permittee, I understand that I, and my company, are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit.

Contractor / Sub-contractor		McAninch Corporation
Responsible for		Earthmoving & underground Utilities
Address	4001 Delaware Ave, Des Moines, Iowa	Phone 515-267-2500
Representative	R. Mark Watkins	Title V.P.
Signature	R. Mark Watkins	Date 3-30-2016

STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Contractor Certifications

NPDES CERTIFICATION STATEMENT
(for contractors with NO authority to modify SWPPP)

Project	WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Permit #	28471-28214
Project Location (address, lat/long, sec., township, range, county)	WESTOWN PARKWAY & R22, WAUKEE, IA 50263

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by my signature, I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No 2 for "Storm Water Discharge Associated with Industrial Activity for Construction Activities" at the identified site. As a co-permittee, I understand that I, and my company, are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit.

Contractor / Sub-contractor <i>Alliance Construction Group</i>	
Responsible for <i>PCC Paving</i>	
Address <i>3000 SE Grimes Blvd. Suite 800 Grimes IA 50111</i>	Phone <i>515-225-6677</i>
Representative <i>Jason DeGreff</i>	Title <i>Owner/Estimator</i>
Signature <i>J-DeGreff</i>	Date <i>3/24/16</i>

STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Contractor Certifications

NPDES CERTIFICATION STATEMENT
(for contractors with NO authority to modify SWPPP)

Project	WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Permit #	28471-28214
Project Location (address, lat/long, sec., township, range, county)	WESTOWN PARKWAY & R22, WAUKEE, IA 50263

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by my signature, I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No 2 for "Storm Water Discharge Associated with Industrial Activity for Construction Activities" at the identified site. As a co-permittee, I understand that I, and my company, are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit.

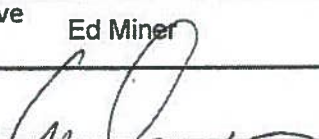
Contractor / Sub-contractor <i>Quality Traffic Control, Inc.</i>	
Responsible for	
Address <i>1704 E. Euclid Ave, DSM 50313</i>	Phone <i>289-1824</i>
Representative <i>Ronala Hoyle</i>	Title <i>Office Manager</i>
Signature <i>Ronala Hoyle</i>	Date <i>3/25/16</i>

STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Contractor Certifications

NPDES CERTIFICATION STATEMENT

Project	WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Permit #	28471-28214
Project Location (address, lat/long, sec., township, range, county)	WESTOWN PARKWAY & R22, WAUKEE, IA 50263

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by my signature, I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No 2 for "Storm Water Discharge Associated with Industrial Activity for Construction Activities" at the identified site. As a co-permittee, I understand that I, and my company, are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit.

Contractor / Sub-contractor GreenTech of Iowa	
Responsible for Erosion and sediment control & SWPPP Management	
Address PO Box 350, Grimes, IA 50111	Phone 515-202-2763
Representative Ed Miner	Title VP
Signature 	Date 3/23/2016

STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Contractor Certifications

NPDES CERTIFICATION STATEMENT
(for contractors with NO authority to modify SWPPP)

Project	WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Permit #	28471-28214
Project Location (address, lat/long, sec., township, range, county)	WESTOWN PARKWAY & R22, WAUKEE, IA 50263

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by my signature, I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No 2 for "Storm Water Discharge Associated with Industrial Activity for Construction Activities" at the identified site. As a co-permittee, I understand that I, and my company, are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit.

Contractor / Sub-contractor	
Responsible for	
Address	Phone
Representative	Title
Signature	Date

STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Contractor Certifications

SWPPP

STORM WATER POLLUTION PREVENTION PLAN

APPENDIX D

IDNR GUIDELINES FOR REPORTING HAZARDOUS CONDITIONS





**IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION
FIELD SERVICES & COMPLIANCE BUREAU
EMERGENCY RESPONSE UNIT**

Iowa Administrative Code Chapter 131 Notification of Hazardous Conditions

**24 hour number for release reporting
515/281-8694**

Summary of Key Points and Definitions

Definitions

"Hazardous Condition" means any situation involving the actual, imminent or probable spillage, leakage, or release of a hazardous substance onto the land, into a water of the state or into the atmosphere which, because of quantity, strength and toxicity of the hazardous substance, its mobility in the environment and its persistence, creates an immediate or potential danger to the public health or safety or to the environment.

"Hazardous Substance" means any substance or mixture of substance that presents a danger to the public health or safety and includes, but is not limited to, a substance that is toxic, corrosive, or flammable, or that is an irritant or that, in confinement, generates pressure through decomposition, heat, or other means. The following are examples of substances which, in sufficient quantity, may be hazardous: acids; alkalis; explosives; fertilizers; heavy metals such as chromium, arsenic, mercury, lead, and cadmium; industrial chemicals; paint thinners; paints; pesticides; petroleum products; poisons; radioactive materials; sludges; and organic solvents. "Hazardous substances" may include any hazardous waste identified or listed by the administrator of the United States Environmental Protection Agency under the Solid Waste Disposal Act as amended by the Resource Conservation and Recovery Act of 1976, or any toxic pollutant listed under Section 307 of the federal Water Pollution Control Act as amended to January 1, 1977, or any hazardous substance designated under Section 311 of the federal Water Pollution Control Act as amended to January 1, 1977, or any hazardous material designated by the secretary of transportation under the Hazardous Materials Transportation Act (49 CFR 172.101)

Key Points

Who is Required to Report Hazardous Conditions. Any person manufacturing, storing, handling, transporting, or disposing of a hazardous substance shall notify the department at (515) 281-8694 and the local police department or the office of the sheriff of the affected county of the occurrence of a hazardous condition as soon as possible but not later than six hours after the onset of the hazardous condition or the discovery of the hazardous condition. A sheriff or police chief who has been notified of a hazardous condition shall immediately notify the department. Reports made pursuant to this rule shall be confirmed in writing as provided in 131.2(2).

Reporting Subsequent Findings. All subsequent finding and laboratory results should be reported and submitted in writing to the department as soon as they become available.

**Reminder ~ VERBAL REPORTS ARE REQUIRED WITHIN 6 HOURS OF
INCIDENCE OCCURRENCE OR DISCOVERY.**

Iowa Department of Natural Resources
7900 Hickman Rd, Suite 200, Windsor Heights, Iowa 50384
515-281-8694 FAX 515-281-7229 www.iowadnr.gov

**STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Reporting Hazardous Conditions**



IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION
FIELD SERVICES & COMPLIANCE BUREAU
EMERGENCY RESPONSE UNIT

Guidelines for Reporting Hazardous Conditions Verbal Reporting

24 hour number for release reporting
515/281-8694

Report the Condition if:

- ☐ The hazardous substance has the potential to leave the property by run-off, sewers, tile lines, culverts, drains, utility lines, or some other conduit, or,
- ☐ The hazardous substance has the potential to reach a water of the state – either surface water or groundwater or,
- ☐ The hazardous substance can be detected in the air at the boundaries of the facility property by the senses (sight and smell) or by monitoring equipment or,
- ☐ There is a potential threat to the public health and safety or,
- ☐ Local officials (Fire department, law enforcement, Hazmat, public health, and emergency management) respond to the incident or,
- ☐ The release exceeds a Federal Reportable Quantity (RQ).

~ If in Doubt, Report It ~

**IDNR REQUIRES VERBAL REPORTS WITHIN 6 HOURS OF
INCIDENCE OCCURRENCE OR DISCOVERY**

- It is recommended that all spills be cleaned up although a particular spill may not be reportable. A series of small spills over time can result in one big cleanup.
- Department rules stress the immediate or potential danger that a spill may cause.
- A written report of the Hazardous Condition is required within 30 days of the verbal notification.

*In general, Iowa reporting requirements are more stringent than
Federal reporting requirements. However, the **time limit**
for reporting at the Federal level is more immediate.*

Iowa Department of Natural Resources
7900 Hickman Rd, Suite 200, Windsor Heights, Iowa 50384
515-281-8694 FAX 515-281-7229 www.iowadnr.gov

**STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Reporting Hazardous Conditions**



IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL SERVICES DIVISION
FIELD SERVICES & COMPLIANCE BUREAU
EMERGENCY RESPONSE UNIT

Guidelines for Reporting Hazardous Conditions

Written Report Requirements

24 hour number for release reporting
515/281-8694

The Iowa Department of Natural Resources
Requires a written report of any Hazardous Condition.
(VERBAL REPORT REQUIRED WITHIN 6 HOURS)

Written Report. The written report of such a hazardous condition shall be submitted to the department within 30 days and contain the following information:

- a. The exact location of the hazardous condition.
- b. The time and date of onset or discovery of the hazardous condition.
- c. The name of the material, the manufacturer's name, and the volume of each material involved in the hazardous condition in addition to contaminants within the material if they by themselves could cause a hazardous condition.
- d. The medium (land, water, or air) in which the hazardous condition occurred or exists.
- e. The name, address, and telephone number of the party responsible for the hazardous condition.
- f. The time and date of the verbal report to the department of the hazardous condition.
- g. The weather conditions at the time of the hazardous condition onset or discovery.
- h. The name, mailing address, and telephone number of the person reporting the hazardous condition.
- i. The name and telephone of the person closest to the scene of the hazardous condition who can be contacted for further information and action.
- j. Any other information, such as the circumstances leading to the hazardous condition, visible effects, and containment measures taken that may assist in the proper evaluation by the department.

The written report should include the IDNR Spill Number (assigned at the time of the verbal report) and be addressed to the duty officer responding to the spill. Reports can be sent via mail, fax, or electronic mail to the addresses listed below.

Mail	Fax	E-Mail
IDNR Field Office 5 7900 Hickman Rd. Suite 200 Windsor Heights, IA 50384	515-281-7229	This form can be e-mailed to: Emergency_Response@dnr.iowa.gov

Iowa Department of Natural Resources
7900 Hickman Rd, Suite 200, Windsor Heights, Iowa 50384
515-281-8694 FAX 515-281-7229 www.iowadnr.gov

STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Reporting Hazardous Conditions

SWPPP

STORM WATER POLLUTION PREVENTION PLAN

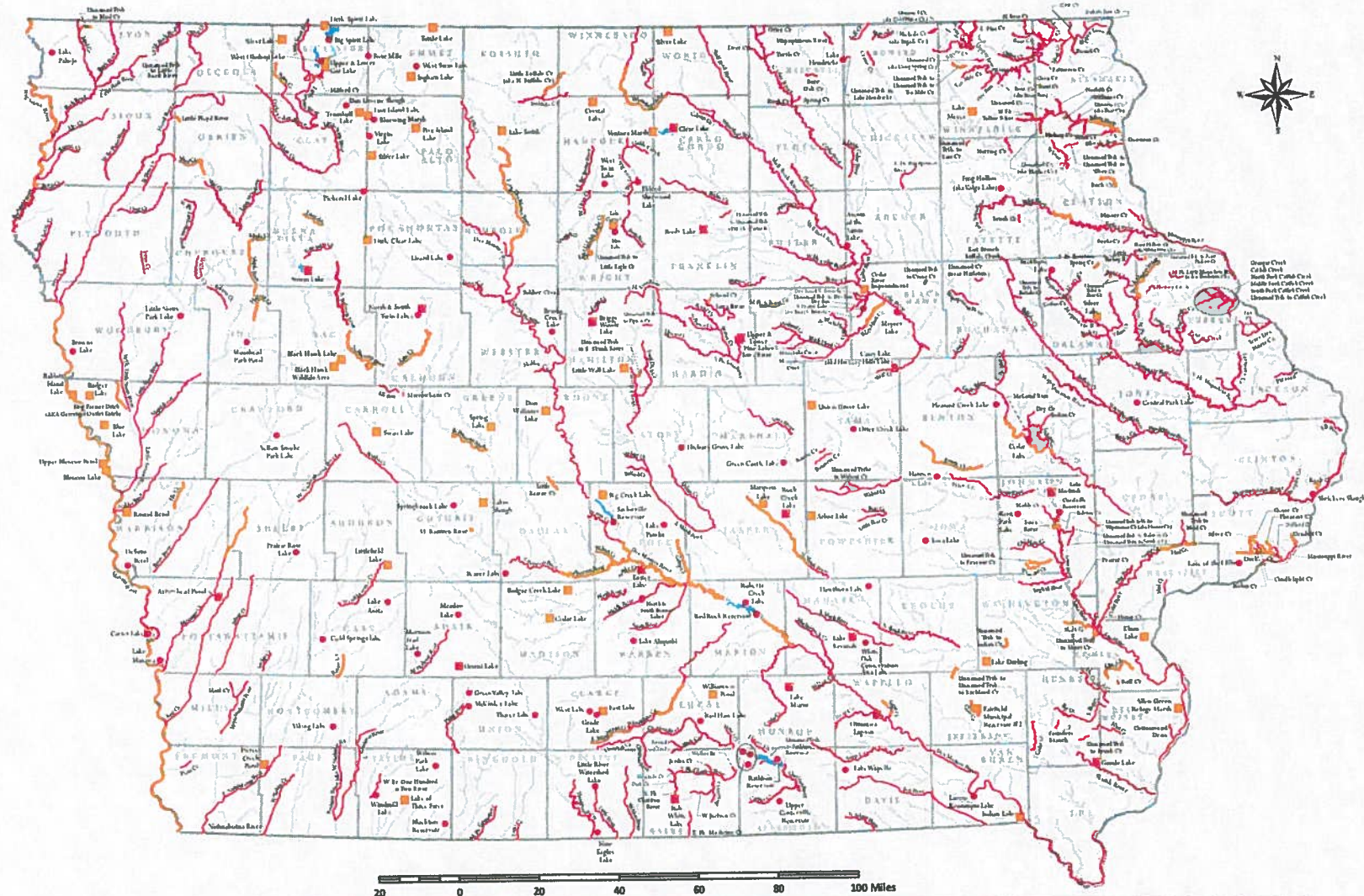
APPENDIX E

IOWA'S IMPAIRED WATERBODIES



List of Iowa's Impaired Waterbodies (2012)

**STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS**
Impaired Waterbodies



Impaired Lakes (141 Lakes/234 Impairments)

- Category 5 Impairment - TMDL Required (93 Lakes/161 Impairments)
- Category 4 Impairment - TMDL Not Needed (66 Lakes/73 Impairments)

Impaired Stream Segments (480 Segments/599 Impairments)

- Category 5 Impairment - TMDL Required (391 Segments/488 Impairments)
- Category 4 Impairment - TMDL Not Needed (107 Segments/111 Impairments)

SWPPP

STORM WATER POLLUTION PREVENTION PLAN

APPENDIX F

U.S. FISH AND WILDLIFE ENDANGERED SPECIES

DALLAS COUNTY, IA



**STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Endangered Species**

Group	Name	Population	Status	Lead Office	Recovery Plan Name	Recovery Plan Stage
Fishes	Topeka shiner (<i>Notropis topeka</i>)	Entire	Endangered	Kansas Ecological Services		
Flowering Plants	Prairie bush-clover (<i>Lespedeza</i>)	Entire	Threatened	Twin Cities Ecological Services	Prairie Bush-clover	Final
Flowering Plants	Western prairie fringed Orchid		Threatened	Twin Cities Ecological Services	Western Prairie Fringed Orchid	Final
Mammals	Northern Long-Eared Bat		Threatened	Twin Cities Ecological Services		

SWPPP

STORM WATER POLLUTION PREVENTION PLAN

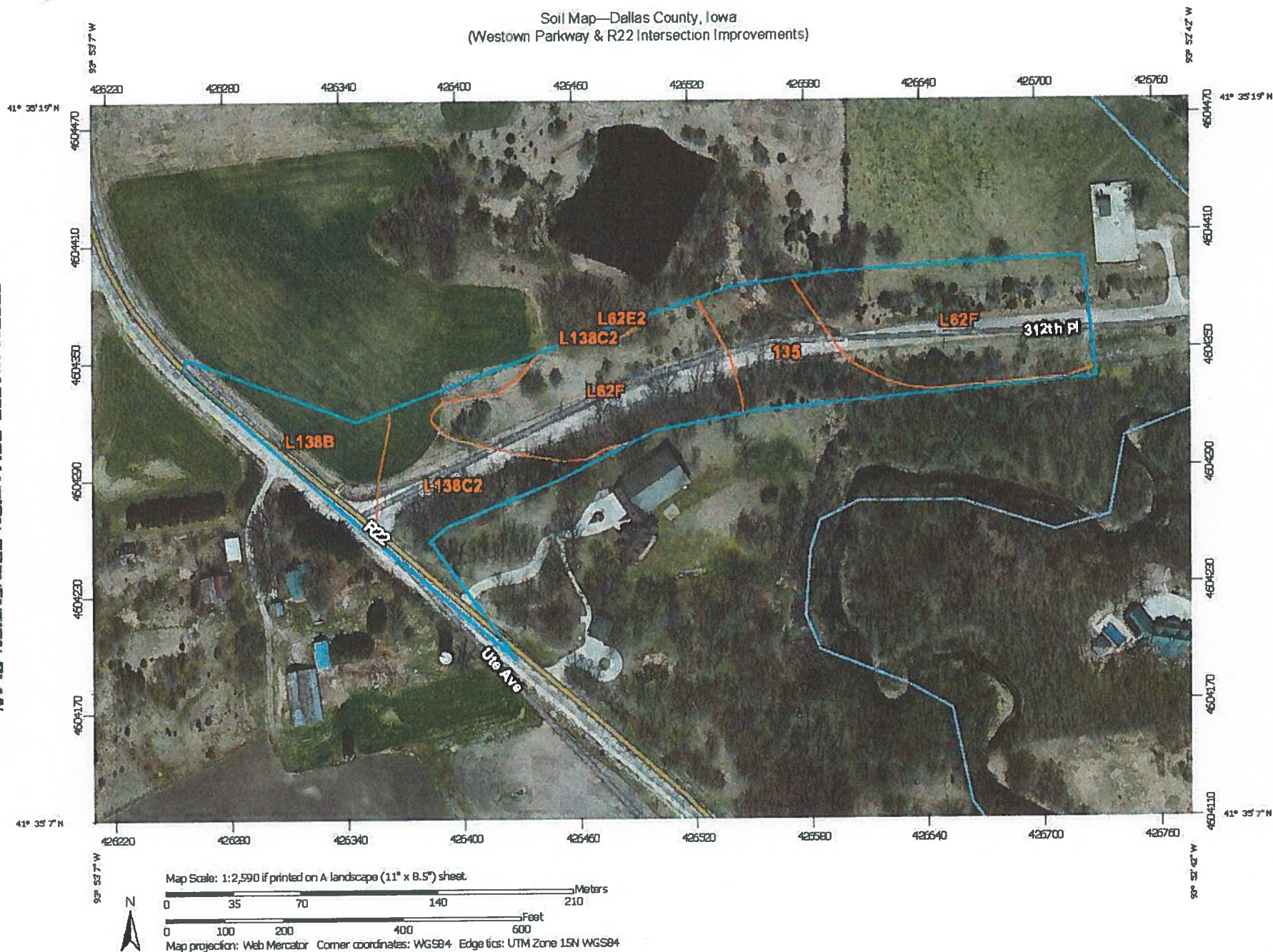
APPENDIX G

SOILS MAP



Soil Map—Dallas County, Iowa
(Westtown Parkway & R22 Intersection Improvements)

STORM WATER POLLUTION PREVENTION PLAN
WESTTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Soils Map







































Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

3/23/2016
Page 1 of 3

Soil Map—Dallas County, Iowa
(Westown Parkway & R22 Intersection Improvements)

MAP LEGEND

Area of Interest (AOI)			Spill Area
	Area of Interest (AOI)		Stony Spot
Soils			Very Stony Spot
	Soil Map Unit Polygons		Wet Spot
	Soil Map Unit Lines		Other
	Soil Map Unit Points		Special Line Features
Special Point Features		Water Features	
	Blowout		Streams and Canals
	Borrow Pit	Transportation	
	Clay Spot		Rails
	Closed Depression		Interstate Highways
	Gravel Pit		US Routes
	Gravelly Spot		Major Roads
	Landfill		Local Roads
	Lava Flow	Background	
	Marsh or swamp		Aerial Photography
	Mine or Quarry		
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Dallas County, Iowa
Survey Area Data: Version 21, Sep 15, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 11, 2011—May 18, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

STORM WATER POLLUTION PREVENTION PLAN
WESTOWN PARKWAY & R22 INTERSECTION IMPROVEMENTS
Soils Map

Map Unit Legend

Dallas County, Iowa (IA049)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
135	Coland clay loam, 0 to 2 percent slopes	1.0	14.4%
L62E2	Storden loam, Bemis moraine, 10 to 22 percent slopes, moderately eroded	0.0	0.3%
L62F	Storden loam, Bemis moraine, 16 to 30 percent slopes	3.9	54.6%
L138B	Clarion loam, Bemis moraine, 2 to 6 percent slopes	0.8	11.9%
L138C2	Clarion loam, Bemis moraine, 6 to 10 percent slopes, moderately eroded	1.3	18.9%
Totals for Area of Interest		7.1	100.0%



SWPPP

STORM WATER POLLUTION PREVENTION PLAN

APPENDIX H

INSPECTION REPORTS





Greentech of Iowa, LLC

Project Inspection Form

Westown Parkway & R22 Intersection Improvements

Westown Parkway and R22

Waukee IA 50263

Inspector: _____

Inspection Date: _____

Inspection Time: _____

Weather Trends: _____

Temperature: _____ F

Last Precip. Date: _____

Last Precip. Amount: _____ Inches

Last Precip. Source: ☐ Estimate ☐ Rain Gauge ☐ Media Report ☐ _____

Reason for Inspection: ☐ Routine ☐ After Rainfall ☐ Complaint

☐ Violation Follow-up ☐ Final

Comments:

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Entrance Protection -- Rock Tracking Pad

Description: Stabilized rock construction entrance.

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Perimeter Control -- Silt Fence

Description: Silt fence installation to prevent sediment transport from the construction site.

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Perimeter Control -- Wattles

Description: Placement of wattles to filter sediment

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Description: Poly fiber or Coir (coconut fiber blankets)

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Slope Stabilization -- Erosion Control Mats

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Inlet Protection -- Wattle

Description: Placement of wattle to filter sediment from runoff into inlet.

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Inlet Protection -- Drop Inlet Protection

Description: Check for silt build up

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Ground Cover -- Heavy Mulching

Description: Conventional mulching over disturbed areas.

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Ground Cover -- Temporary Seeding

Description: Temporary vegetative seeding

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Ground Cover -- Permanent Seeding

Description: Permanent vegetative seeding.

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

Name: Wash Out Facilities -- Concrete Wash Out

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Required: No

Inspected: ☐ Yes ☐ No

Status: ☐ Active ☐ Inactive ☐ Completed

Condition: ☐ Correct ☐ Not Applied ☐ Ineffective ☐ Not Applicable

Comments:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 10/11/2016

Inspection Time: 08:26 AM

Weather Trends: Clear

Temperature: 57 F

Last Precip. Date: 10/11/2016

Last Precip. Amount: .5 in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other
South Dutch is matted including area around private drive on R22. TRM has been added to bottom of ditch on the north side. Matting should be finished when site conditions allow.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

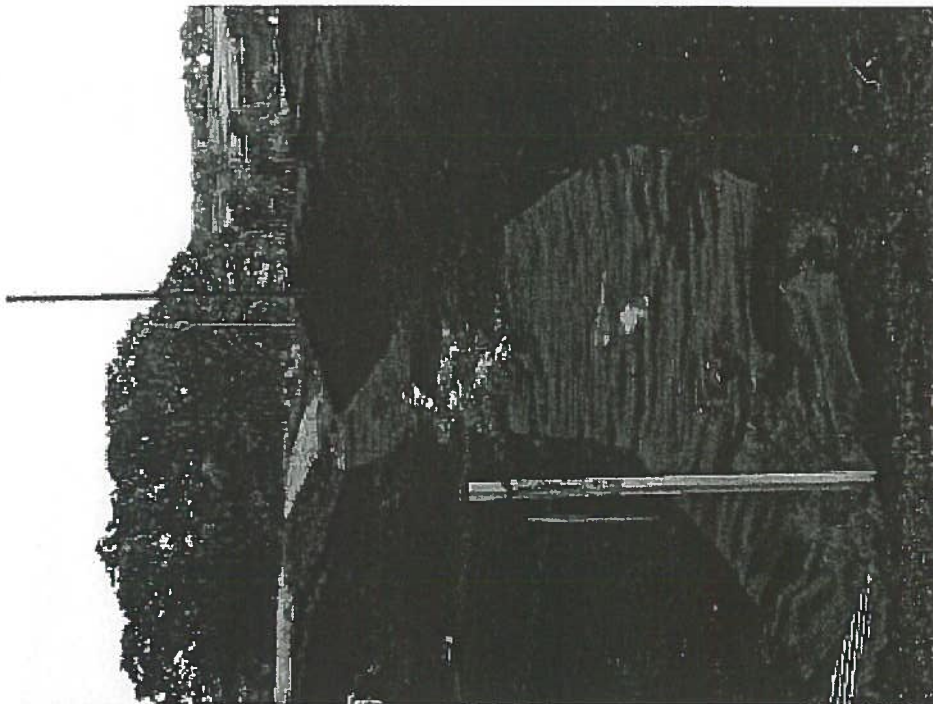
Inspected: Yes

Status: Active

Condition: Correct

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:



Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

NOT to the extent of Project

Comment:



Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Permanent vegetative seeding.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Matthew M. Muen
Signature
10/11/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 10/04/2016

Inspection Time: 08:33 AM

Weather Trends: Partly cloudy

Temperature: 62 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

Area by privately driveway on R22 is ready to seed/sod. North side of road has areas ready for stabilization. Intersection at R22 has been poured. Roll off washout has been used and is in good condition.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

where

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Miner
Signature

10/4/15
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector:

Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date:

09/27/2016

Inspection Time:

09:58 AM

Weather Trends:

Fair

Temperature:

60 F

Last Precip. Date:

Last Precip. Amount:

in

Last Precip. Source:

Estimate

Reason for Inspection:

Routine

Comments:

Follow-up Action:

Other

South side ditch north slope has been matted. Area by private drive along r22 needs stabilized.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:



Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Permanent vegetative seeding.

Comment:

Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Miller
Signature

9/22/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22

Waukee IA 50263

Inspector:

Nathan Miner, Superintendent (515) 468-7129

nathan@greentechiowa.com

Inspection Date:

09/20/2016

Inspection Time:

08:44 AM

Weather Trends:

Sunny

Temperature:

65 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

South side has been seeded and Greentech should be on site today to mat. No issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Permanent vegetative seeding.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Meyer
Signature
9/20/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22

Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 09/13/2016

Inspection Time: 08:30 AM

Weather Trends: Cloudy

Temperature: 66 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Permanent vegetative seeding.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Mines

Signature

9/13/16

Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com
Inspection Date: 09/06/2016
Inspection Time: 08:33 AM
Weather Trends: Partly Cloudy
Temperature: 80 F
Last Precip. Date:
Last Precip. Amount: in
Last Precip. Source: Estimate
Reason for Inspection: Routine
Comments:

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Signature


Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com
Inspection Date: 08/30/2016
Inspection Time: 08:21 AM
Weather Trends: Cloudy
Temperature: 70 F
Last Precip. Date:
Last Precip. Amount: in
Last Precip. Source: Estimate
Reason for Inspection: Routine
Comments:

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Signature



Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

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Westtown Parkway & R22 Intersection Improvements

Address

Westtown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 08/23/2016

Inspection Time: 08:30 AM

Weather Trends: Partly Cloudy

Temperature: 73 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

Silt fence is needed around rip rap and above intakes in the ditches. Ditch checks are full and should be replaced. Some topsoil has been spread in the ditches. Areas should be stabilized as soon as they become ready to prevent erosion. Sediment from project on the east may flow onto this project and silt fence should be added.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment: Final discharge location. Sediment from project on east may come onto site here.

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: Yes

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment: Topsoil has been spread in some areas and Erosion control mats should be added when ready to prevent erosion.

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment: Intakes along street are covered with steel plates.

Name: Admin / Site Management -- Sanitary Facility

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Maintain sanitary facility on site. Must be properly anchored to prevent tipping.

Comment: Sanitary facility has been moved. It is upright and in good condition.

Name: Admin / Site Management -- Spill Suppression

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Spill protection in maintenance areas around stored fluids (fuel, lubricants, etc.)

Comment: Fuel tank has been moved and containment berm has been constructed around it.

Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



Greentech of Iowa, LLC

Inspection Report

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Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22

Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 07/05/2016

Inspection Time: 08:30 AM

Weather Trends:

Temperature: 72 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

Silt fence should be added at outfall location where pipe has been placed at the stream on the south side of the street. No issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Ineffective

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Signature

Date

7/5/16



Greentech of Iowa, LLC

Inspection Report

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Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com
Inspection Date: 06/28/2016
Inspection Time: 10:16 AM
Weather Trends: sunny
Temperature: 75 F
Last Precip. Date:
Last Precip. Amount: in
Last Precip. Source: Estimate
Reason for Inspection: Routine
Comments:

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Active

Condition: Not Applied

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Inman
Signature

5/28/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Ed Miner, President (515) 202-2763
ed@greentechiowa.com
Inspection Date: 06/21/2016
Inspection Time: 08:27 AM
Weather Trends: clear
Temperature: 70 F
Last Precip. Date: 06/19/2016
Last Precip. Amount: .1 in
Last Precip. Source: Estimate
Reason for Inspection: Routine
Comments:

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Active

Condition: Not Applied

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Miller
Signature

6/26/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector:

Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date:

06/14/2016

Inspection Time:

08:30 AM

Weather Trends:

Sunny

Temperature:

80 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action:

Other

Inspection performed with Jeremy from the city. Large amount of fill dirt has been added and more silt fence is needed to protect the waterway on the east end on the south side of the project. No issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Ineffective

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

Name: Admin / Site Management -- Required Photo

Required: No

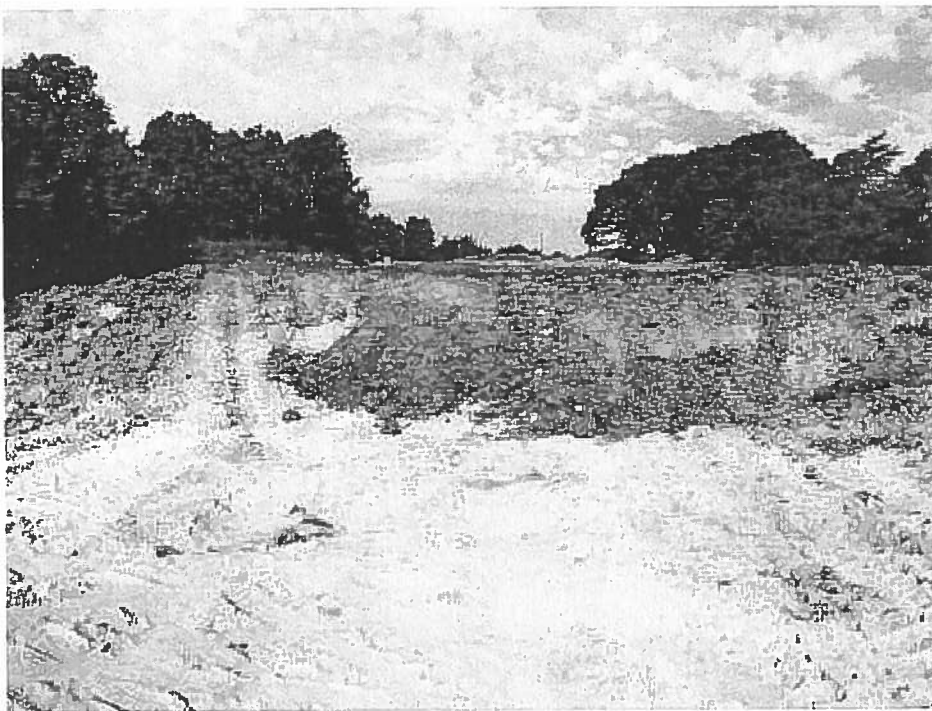
Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment: At east end looking west.



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Natasha Miller
Signature
6/14/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 06/07/2016

Inspection Time: 08:30 AM

Weather Trends: Sunny

Temperature: 64 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

McAninch on site moving dirt at time of inspection. Approximately 30 feet of silt fence should be added on the west side of the creek on the south side of the street as more dirt has been pushed into this area. No issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment: No sediment being tracked off site.

Name: Perimeter Control -- Silt Fence

Required: No

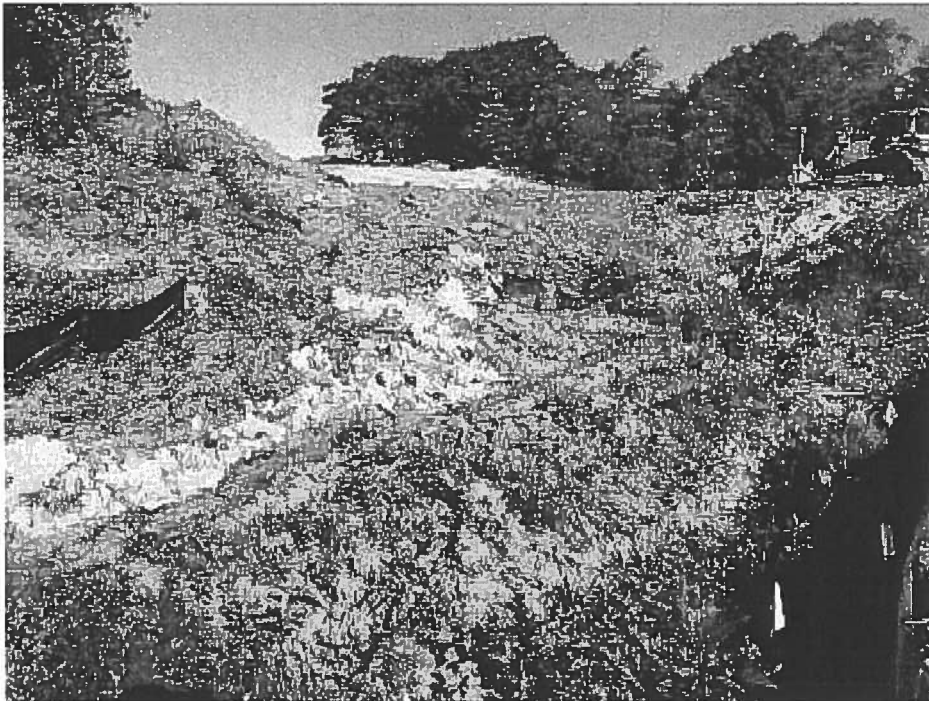
Inspected: Yes

Status: Active

Condition: Ineffective

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathaniel M. Mow
Signature
6/2/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 05/31/2016

Inspection Time: 08:36 AM

Weather Trends: Partly cloudy

Temperature: 67 F

Last Precip. Date: 05/30/2016

Last Precip. Amount: .1 in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

Inspection performed with Jeremy from the city. Dirt work continuing at time of inspection. Silt fence is in good condition. No issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment: No sediment being tracked out.

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Matthew Miller
Signature

5/31/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Ed Miner, President (515) 202-2763
ed@greentechiowa.com

Inspection Date: 05/24/2016

Inspection Time: 09:40 AM

Weather Trends: Cloudy

Temperature: F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Active

Condition: Not Applied

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathaniel Nireu
Signature

5/24/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 05/17/2016

Inspection Time: 08:39 AM

Weather Trends: Partly Cloudy

Temperature: 50 F

Last Precip. Date: 05/13/2016

Last Precip. Amount: .1 in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

Inspection performed with Jeremy from the city. Stripping has begun. Creek is protected. No issues with erosion or sedimentation. Site is in good condition.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

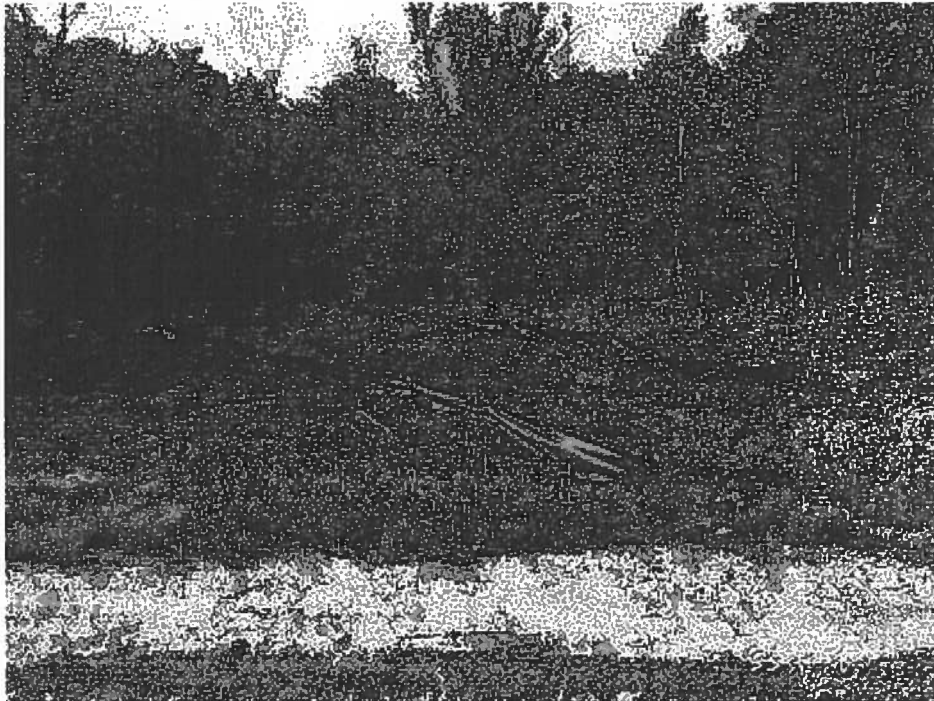
Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

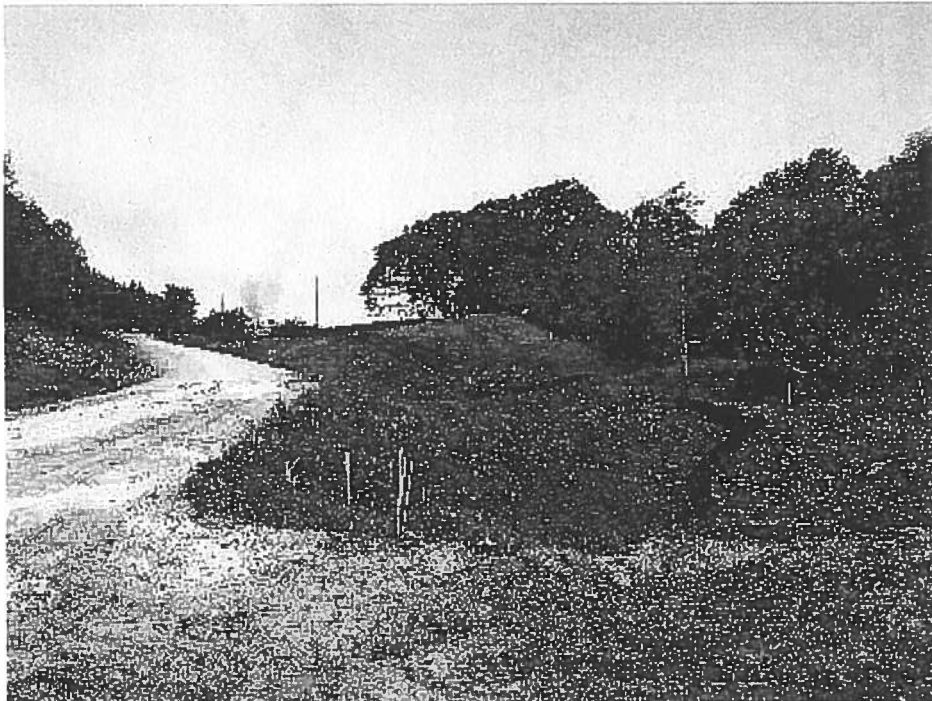
Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Mick
Signature

5/17/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

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Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 05/10/2016

Inspection Time: 08:30 AM

Weather Trends: Foggy

Temperature: 60 F

Last Precip. Date: 05/09/2016

Last Precip. Amount: .2 in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

Inspection performed with Jeremy from the city. No work or new bmp's since last inspection. McAninch on site staking at time of inspection. Silt fence is in good condition. No issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: No

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Miller
Signature
5/10/16
Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

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Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 05/04/2016

Inspection Time: 07:35 AM

Weather Trends: Sunny

Temperature: 51 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

No work at time of inspection. Road has been closed to traffic. No other work since last inspection. Silt fence is in good condition.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Miller

Signature
5/4/16

Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

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Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 04/26/2016

Inspection Time: 08:30 AM

Weather Trends: Overcast

Temperature: 52 F

Last Precip. Date: 04/25/2016

Last Precip. Amount: .2 in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

Inspection performed with Jeremy from the city. Electric work at time of inspection. No bmp's added or maintained since last inspection. No issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Nathan Miller

Date

4/25/16



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

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Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector:

Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date:

04/19/2016

Inspection Time:

08:30 AM

Weather Trends:

Cloudy

Temperature:

47 F

Last Precip. Date:

04/19/2016

Last Precip. Amount:

.1 in

Last Precip. Source:

Estimate

Reason for Inspection:

Routine

Comments:**Follow-up Action:**

Other

Inspection performed with Jeremy from the city. No work at time of inspection. No work since clearing/grubbing and installation of poles. Silt fence is in good condition.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Perimeter Control -- Wattles

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

[View Inspection](#)

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 04/12/2016

Inspection Time: 09:01 AM

Weather Trends: Sunny

Temperature: 35 F

Last Precip. Date:

Last Precip. Amount: in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

Silt fence has been added along waterway at east end of site and as ditch checks on south side of road. Par is on site installing poles in nw corner of site at time of inspection. Site is in good condition with no issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment: SE end of site.



Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

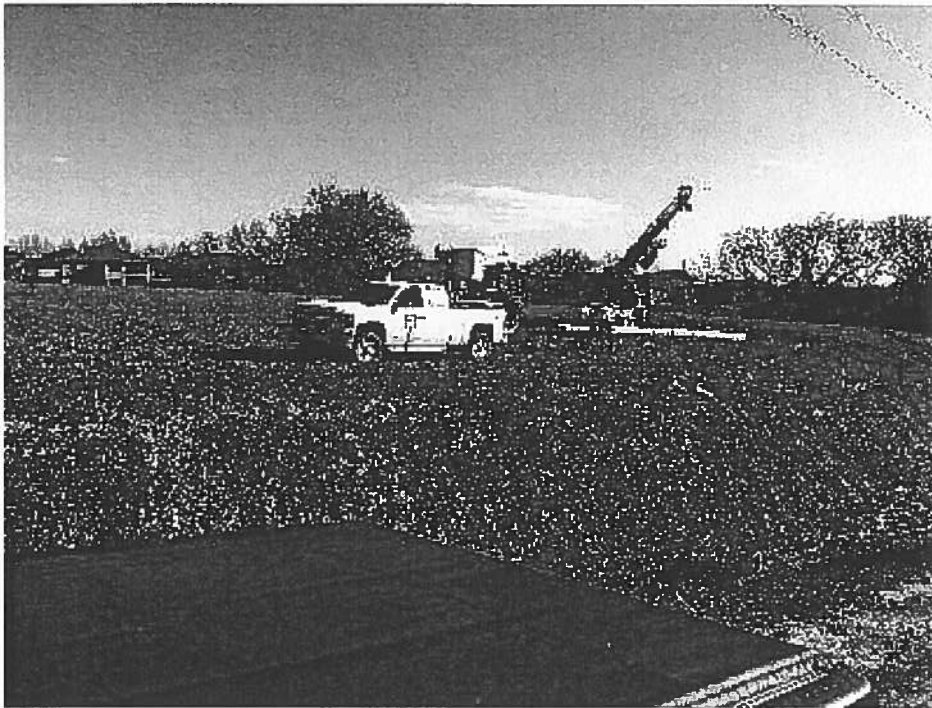
Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Signature

Date



Greentech of Iowa, LLC

Inspection Report

[View Project](#)

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Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector: Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date: 04/05/2016

Inspection Time: 10:27 AM

Weather Trends: Light Rain

Temperature: 41 F

Last Precip. Date: 04/05/2016

Last Precip. Amount: .1 in

Last Precip. Source: Estimate

Reason for Inspection: Routine

Comments:

Follow-up Action: Other

No work at time of inspection. Clearing and grubbing appears to be complete. Ditch checks and some perimeter sediment control devices are needed. GreenTech is scheduled to install them today but they are not installed at time of inspection. No areas should be left disturbed more than 14 days without temporary stabilization.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:

Name: Perimeter Control -- Wattles

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Placement of wattles to filter sediment

Comment:

Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Mined
Signature

4/5/16
Date



Greentech of Iowa, LLC

Inspection Report

Westown Parkway & R22 Intersection Improvements

Address

Westown Parkway and R22
Waukee IA 50263

Inspector:

Nathan Miner, Superintendent (515) 468-7129
nathan@greentechiowa.com

Inspection Date:

03/29/2016

Inspection Time:

08:30 AM

Weather Trends:

Sunny

Temperature:

48 F

Last Precip. Date:

03/26/2016

Last Precip. Amount:

.1 in

Last Precip. Source:

Estimate

Reason for Inspection:

Routine

Comments:**Follow-up Action:**

Other

Clearing and grubbing has begun. Perimeter and slope sediment control devices should be added. No issues with erosion or sedimentation.

Inspection Items

Name: Admin / Site Management -- Inspection Reports Available?

Required: No

Inspected: Yes

Status: Active

Condition: Correct

Description: Confirm that weekly inspections have been completed and reports are accessible for review.

Comment:

Name: Entrance Protection -- Rock Tracking Pad

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Stabilized rock construction entrance.

Comment:

Name: Perimeter Control -- Silt Fence

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Silt fence installation to prevent sediment transport from the construction site.

Comment:



Name: Perimeter Control -- Wattles

Required: No

Inspected: Yes

Status: Active

Condition: Not Applied

Description: Placement of wattles to filter sediment

Comment:



Name: Channel Liner -- Turf Reinforcement Mats (TRMs)

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Poly fiber or Coir (coconut fiber blankets)

Comment:

Name: Slope Stabilization -- Erosion Control Mats

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of erosion control mat on slope to reduce erosion impact of runoff.

Comment:

Name: Inlet Protection -- Wattle

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Placement of wattle to filter sediment from runoff into inlet.

Comment:

Name: Inlet Protection -- Drop Inlet Protection

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Check for silt build up

Comment:

Name: Ground Cover -- Heavy Mulching

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Conventional mulching over disturbed areas.

Comment:

Name: Ground Cover -- Temporary Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Temporary vegetative seeding

Comment:

Name: Ground Cover -- Permanent Seeding

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Permanent vegetative seeding.

Comment:

Name: Wash Out Facilities -- Concrete Wash Out

Required: No

Inspected: No

Status: Inactive

Condition: N/A

Description: Establish protected area for concrete washout that contains the concrete and prevents migration of sediment.

Comment:

Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)

Comment:



Name: Admin / Site Management -- Required Photo

Required: No

Inspected: Yes

Status: Active

Condition: none

Description: Required digital photo of construction site (general, entrance, specific feature...)



Comment:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and provided the information submitted. Based on my inquiry of the person or persons who managed this system or those persons directly responsible for gathering the information, the information submitted, is to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan M. Per
Signature

3/29/16
Date